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GENERAL INDEX

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OFFICIAL GAZETTE, JANUARY TO DECEMBER, (VOLUMES 7 AND 8.)  
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# ALPHABETICAL LIST

OF

## PATENTEES FOR THE YEAR 1875.

[Claims and drawings of Designs, Extensions, and Disclaimers are not carried into the Monthly Volumes or the Gazette.]  
 [Trade-marks are in a separate index.]

Number.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Specification.	Drawing.	Volume.	Page.
167, 486	Aaron, Charles H., San Francisco, Cal. Amalgamator.....	Sept. 7, 1875	91	28	8	419
153, 562	Aaron, David, Marysville, Cal. Blind-slat adjuster.....	Jan. 12, 1875	201	60	7	53
164, 120	Abbot, Isaac A., New Orleans, La. Sewing-machine fan-attachment.....	June 8, 1875	270	92	7	978
166, 055	Abbott, Arthur A., Chicago, Ill. Sleigh.....	July 27, 1875	915	283	8	170
	Abbott, Essex S. (See Addy & Abbott.)					
170, 147	Abbott, John B., San José, Ill. Corn-planter.....	Nov. 23, 1875	837	263	8	867
167, 422	Abbott, Jonathan P., Cleveland, Ohio. Eave-trough hanger.....	Sept. 7, 1875	42	12	8	412
171, 253	Same.....	Dec. 21, 1875	596	195	8	1045
	Abbott, Nathan B. (See Crawford, John P., assignor)..... (Reissue.)					
167, 423	Abbott, Nathan B., and John P. Crawford, Brooklyn, N. Y. Pavement.....	Sept. 7, 1875	43	12	8	412
167, 487	Abbott, Samuel M., Wilmington, Ill. Windmill.....	Sept. 7, 1875	92	29	8	419
167, 599	Abbott, William H., Fryeburgh, Mo. Toe-weight for horses.....	Sept. 14, 1875	209	65	7	443
166, 056	Abell, Irvin H., assignor to East Hampton Bell Company, East Hampton, Conn. Alarm-bell.....	July 27, 1875	916	283	8	171
166, 835	Abell, Olif, Wolcott, Vt. Paper-stock grinder.....	Aug. 17, 1875	628	195	8	306
165, 524	Abell, Olif, Wolcott, Vt., assignor to Joseph Potter, Whitehall, N. Y. Machine for dressing stone and marble.....	July 13, 1875	288	115	8	69
161, 191	Abendroth, William P., Port Chester, N. Y. Fire-place.....	Mar. 23, 1875	877	288	7	494
166, 242	Same.....	Aug. 3, 1875	52	17	8	206
	Abemethy, Willard P., et al. (See Gibson, Jacob H., assignor.)					
	Abemethy, Willard P., et al. (See Kempshall, Eleazer, assignor.)					
166, 057	Abrahams, Isaac B., New York, N. Y. Jewelry-pin.....	July 27, 1875	917	283	8	171
163, 129	Abrams, Addison W., Springfield, Mass. Flue-cleaner.....	May 11, 1875	382	123	7	805
164, 409	Abrams, George H. (See Howey & Abrams.)					
162, 596	Abrams, Lorenzo D., Tuscola, Ill. Wind-wheel.....	June 15, 1875	557	181	7	1025
164, 703	Acker, Allen S., Lockport, N. Y. Hoc.....	Apr. 27, 1875	951	306	7	720
	Acker, Stephen, and Nelson L. Robinson, Batcbellerville, N. Y. Corner for vehicle-bodies.....	June 22, 1875	827	249	7	1070
158, 772	Ackerman, Bernard, New York, N. Y. Preparation of fertilizers.....	Jan. 19, 1875	407	137	7	17
	Ackerman, George J. (See Ackerman, John N. and George J.)					
159, 057	Ackerman, John N. and George J., Hackensack, N. J. Chain-gripe and tightener.....	Jan. 26, 1875	700	230	7	112
165, 953	Acklom, John E., Cheltenham, England. Refrigerator-car.....	Oct. 19, 1875	609	202	7	637
165, 971	Acton, John H., Jackson C. H., Ohio. Car-coupling.....	July 27, 1875	838	258	8	160
153, 350	Adair, James, Pittsburgh P. O., Pa. Buckle.....	Jan. 5, 1875	1	1	9	9
165, 194	Same.....	July 6, 1875	51	15	16	16
167, 049	Adam, John G., Newport, Ky. Beer-faucet.....	Aug. 24, 1875	848	261	8	345
162, 330	Adams, Adolphus A., Pittsburgh, Pa. Manufacture of glassware.....	Apr. 20, 1875	653	221	7	678
160, 806	Adams, Alden J., New York, N. Y. Neck-tie.....	Mar. 16, 1875	533	172	7	439
	Adams, Alonzo P. (See Giles, Thomas S., assignor.)					
	Adams & Co., John. (See Gill, James C., assignor.)					
169, 755	Adams, Calvin, assignor to Stephen Jarvis and S. J. Adams, Pittsburgh, Pa. Pump-handle link.....	Nov. 9, 1875	437	133	8	800
160, 635	Adams, David L., Buffalo, N. Y. Car-coupling.....	Mar. 9, 1875	349	118	7	408
167, 360	Adams, Ephraim H., Lykens, Ohio. Land-roller.....	Sept. 7, 1875	1	1	8	407
167, 968	Adams, Franklin F., Erie, Pa., assignor to self and Alonzo Farrer, Brookline, Mass. Draw-bar for street-cars.....	Sept. 21, 1875	540	173	8	499
159, 820	Adams, George B., Newark, N. J., assignor of one-half interest to Edwin Putnam and John J. Cowell. Fastener for meeting-rails of sashes.....	Feb. 16, 1875	619	204	7	282
165, 651	Adams, George D., Worcester, Mass. Ice-cream refrigerator.....	July 20, 1875	521	159	8	105
160, 636	Adams, Henry B., New York, N. Y. Cuff-holder.....	Mar. 9, 1875	351	118	7	408
170, 501	Adams, Henry P., Cleveland, Ohio. Butter-package.....	Nov. 30, 1875	1173	370	8	922
170, 148	Adams, Henry W., jr., Philadelphia, Pa. Brick-kiln.....	Nov. 23, 1875	838	263	8	867
170, 149	Adams, Henry W., Philadelphia, Pa. Valve-box for engines.....	Nov. 23, 1875	840	263	8	867
6, 313	Adams, Isaac, jr., assignor to American Nickel Plating Co. Coating metals with metal..... (Reissue.)	Mar. 2, 1875	228	77	7	381
6, 492	Adams, Isaac, jr., Boston, Mass., assignor to United Nickel Company, New York, N. Y. Coating metals with metal..... (Reissue.)	Apr. 27, 1875	1100	.....	7	738
167, 288	Adams, James L., and Joseph G. Blondin, Montreal, Canada; said Blondin assignor to said Adams. Tobacco-cutter.....	Aug. 31, 1875	1087	341	7	385
170, 696	Adams, James S., Olathe, Kans. Cooking-stove.....	Dec. 7, 1875	40	12	8	956
166, 836	Adams, John F., Irvington, assignor to John V. and Bloomfield Brower, New York, N. Y. Paper-weight.....	Aug. 17, 1875	629	195	8	306
169, 665	Adams, John F., Irvington, N. Y. Permanent letter-file.....	Nov. 9, 1875	344	109	8	788
169, 882	Same.....	Nov. 16, 1875	577	179	8	825
165, 972	Adams, John P., Brooklyn, assignor of one-half interest to James A. Ruthven, New York, N. Y. Manufacture of metal knob-shanks.....	July 27, 1875	839	258	8	160
167, 050	Adams, John Q., Marselles, Ill. Windmill.....	Aug. 24, 1875	848	261	8	345
167, 488	Adams, Joseph, Washington, D. C. Gas-regulator.....	Sept. 7, 1875	92	29	8	419
	Adams, Lewis M., et al. (See Edwards, George W., assignor.)					
166, 445	Adams, Lewis V., Rock Island, Ill. Station-indicator.....	Aug. 10, 1875	269	81	7	215
167, 489	Adams, Luther, Mattoon, Ill. Rotary engine.....	Sept. 7, 1875	93	29	7	119
	Adams, Michel. (See Boltn & Adams.)					

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr.	Vol.	Page.
169, 883	Adams, Nathan, Altoona, Pa. Hand-truck	Nov. 16, 1875	578	179	8	825
158, 664	Adams, Orwin, Battle Creek, Mich. Rotary engine	Jan. 12, 1875	294	{ 99 100	{ 7 8	65
170, 695	Adams, Robert A., Pittsburgh, Pa. Frame for graining plates	Dec. 7, 1875	39	11	8	956
161, 729	Adams, Samuel, assignor to Joseph W. Ross, Boston, Mass. Self-supporting hinges	Apr. 6, 1875	121	42, 43	7	586
167, 289	Adams, Samuel M., New York, N. Y. Process for ornamenting china, glass, &c.	Aug. 31, 1875	1088		7	385
159, 058	Adams, Sebastian C., Cincinnati, Ohio. Map-exhibitor	Jan. 26, 1875	701	230	7	142
170, 797	Adams, S. J., et al. (See Adams, Calvin, assignor.)					
160, 989	Adams, S. William C., North Lansing, Mich. Sawing-machine	Dec. 7, 1875	130	43	8	968
170, 798	Adams, William, Long Island, Kans. Plow	Mar. 23, 1875	695	229	7	471
163, 718	Adams, William, Pittsburgh, Pa. Device for removing the blow-over from glassware	Dec. 7, 1875	131	43	8	968
169, 939	Adams, William H., Mount Gilead, Va. Car-coupling	May 23, 1875	949	301	7	902
160, 251	Adams, Willis, Neelyville, Ill. Clothes-drier	Nov. 16, 1875	626	194	8	831
163, 130	Adamson, James M., Prairie City, Iowa. Medical compound	Mar. 2, 1875	1		7	349
6, 230	Adamson, William, et al. (See Black, William K., assignor.)					
163, 906	Adamson, William, Philadelphia, Pa. Extracting fatty matters from tanner's scraps, &c.	May 11, 1875	382		7	805
169, 884	Adamson, William, and Charles F. A. Simonin, assignors to William Adamson, Philadelphia, Pa. Treatment of grain for the manufacture of starch, spirits, &c. (Reissue.)	Jan. 12, 1875	397		7	79
163, 906	Addison, Thomas, and James T. Yates, Ellicott City, Md. Washing-machine	June 1, 1875	57	19	7	938
167, 816	Addy, Charles J., and Essex S. Abbott, Boston, Mass. Shoe-edge-trimming machine	Sept. 21, 1875	417	133	8	481
169, 884	Addy, Charles J., Boston, assignor to Tapley Heel Burnishing Machine Association, Lynn, Mass. Heel-burnishing machine	Nov. 16, 1875	579	{ 179 180	{ 8 8	825
163, 331	Adee, Frederick, and James Foley, Brooklyn, N. Y. Trap for basins, &c.	Apr. 20, 1875	684	223	7	678
168, 121	Same.....Trap and bend	Sept. 23, 1875	718	226	8	530
160, 860	Adgate, Joseph J., Stevensville, N. Y. Lifting-jack	Mar. 16, 1875	575	187	7	445
160, 861	Same.....Dumping-cart	Mar. 16, 1875	575	187	7	445
160, 862	Same.....Nut-lock	Mar. 16, 1875	576	187	7	445
158, 665	Adgate, Joseph J., Stevensville, N. Y., assignor to John Maitland, J. H. Sternbergh, and Caleb Wheeler, Reading, Pa. Spike	Jan. 12, 1875	296	100	7	65
159, 136	Adgate, Joseph J., Stevensville, N. Y., assignor of three-fourths interest to John Maitland, J. H. Sternbergh, and Caleb Wheeler, Reading, Pa. Nut-lock	Jan. 26, 1875	768	253		152
158, 881	Adler, Abraham S., et al. (See Hussey, John H., assignor.)					
	Adler, Bär. (See Lanzweert, Louis, assignor.)					
	Adler, Clement & Weil. (See Hussey, John H., assignor.)					
	Adler, Clement & Weil, et al. (See Hussey, John H., assignor.) (Reissue.)					
164, 506	Adler, Henry, Pittsburgh, Pa. Metallic ceiling	Jan. 19, 1875	506	170	7	110
162, 991	Adriance, John P. (See Craunston, Samuel F., assignor.)					
164, 506	Adriance, Walter. (See Velie, Henry C., assignor.)					
162, 991	Adsitt, Eugene F., assignor of two-thirds interest to Alonzo H. Terwilliger and Sanford R. Ten Eyck, Waterloo, N. Y. Pump	June 15, 1875	639	207	7	1035
162, 991	Adt, John, New Haven, assignor to Stanley Works, New Britain, Conn. Machine for pointing staples	May 11, 1875	257	83	7	789
8, 386	Agens, Thomas. (See Lockard & Agens.)					
167, 969	Same.....(See Lockard, Hiram, assignor.)					
170, 441	Agens, Thomas, and John C. Post, Newark, N. J. Chapeau-block.....(Design)	June 15, 1875			7	1013
167, 969	Agular, Joseph, Baltimore, Md. Soldering-iron	Sept. 21, 1875	541	174	8	499
170, 441	Ahearn, Maurice. (See Walsh & Ahearn.)					
169, 396	Ahlstrom, Jesper O., Williamsburgh, N. Y. Screw-fastening	Nov. 16, 1875	709	225	8	843
169, 396	Ahlstrom, Oscar G., New York, N. Y. Swimming-shoe	Nov. 2, 1875	72	21	8	744
160, 562	Ahrens, Bernard. (See Russell & Sax, assignors.)					
160, 562	Ahrens, George, Crete, Ill. Extension-table	Mar. 9, 1875	289	98	7	399
160, 990	Aiken, James, et al. (See Eichbaum, Frederick H., assignor.)					
162, 137	Aiken, John, et al. (See Perry, William V., assignor.)					
162, 453	Aiken, Walter, Franklin, N. H. Screw-blank feeder	Mar. 23, 1875	695	229	7	471
164, 410	Same.....Chuck for screw-threading	Apr. 20, 1875	509	168	7	657
164, 410	Same.....Machine for pointing and threading screw-blanks	Apr. 27, 1875	829	207	7	705
164, 704	Aikman, John, Norwich, Canada. Lock-hinge	June 15, 1875	557	181	7	1025
169, 756	Aitken, Andrew, Welis River, Vt. Ironing and kitchen table	June 23, 1875	828	270	7	1070
165, 195	Aitken, Henry, Falkirk, North Britain. Coke-oven	Nov. 9, 1875	437	139	8	800
165, 973	Albaugh, William A., and John Toole, Baltimore, Md. Brush	July 6, 1875	53	15	8	16
160, 038	Albee, George E., Minneapolis, Minn. Riding and pack saddle	July 27, 1875	839	258	8	100
160, 136	Same.....Trunk-strap	July 27, 1875	918	283	8	171
160, 069	Albert, Charles F., Philadelphia, Pa. Chin-rest for violins	Feb. 23, 1875	863	286	7	323
168, 822	Albertson, Albert, Jersey City, N. J., assignor to Philip Corrigan, New York City. Lamp	Feb. 23, 1875	811	266	7	315
170, 428	Albertson, Albert, Jersey City, N. J., assignor to Philip Corrigan, New York City. Wick-raiser for lamps	Oct. 19, 1875	493	161	8	651
162, 786	Albertson, C. H., et al. (See Burnett, Oswald, assignor.)					
166, 677	Albertson, James M., New London, Conn. Horse-power.....(Reissue)	Jan. 26, 1875	869	283	7	166
168, 554	Same.....Baling-press	May 4, 1875	48	15	7	753
169, 327	Same.....Bale-tie	Aug. 17, 1875	487	149	8	285
169, 327	Albrecht, Hermann, Philadelphia, Pa. Fluting-machine	Oct. 19, 1875	610	202	8	667
167, 600	Same.....same	Nov. 2, 1875	1	1	8	735
168, 703	Albright, Andrew. (See Dunham, Ralph C., assignor.) (Reissue.)					
168, 703	Same.....(See Ulrich & Hachmeister, assignors.) (Reissue.)					
167, 600	Albright, Andrew, Newark, N. J. Horseshoe	Sept. 14, 1875	209	65	8	443
169, 940	Alden, Charles, Newburgh, N. Y. Preparing clams and oysters for food	Oct. 11, 1875	374		8	625
160, 137	Alden, Charles E. (See Duist & Alden.)					
169, 940	Alden, Parelly. (See Alexander, Abram, assignor.)					
160, 137	Alden, William W., Providence, R. I. Braided jewelry	Nov. 16, 1875	627	194	8	831
160, 501	Alderman, Frank R., assignor of one-half interest to Fred. B. Perkins, Grand Rapids, Mich. Machine for indexing books	Feb. 23, 1875	864	286	7	323
162, 876	Alderson, Franklin B., San José, Cal. Bill-file	Mar. 9, 1875	235	81	7	391
165, 401	Same.....Newspaper-file	May 4, 1875	126	42	7	763
160, 293	Same.....same	July 13, 1875	273	81	8	53
158, 773	Aldrich, Frank B., Chicago, Ill. Butter-worker	Mar. 2, 1875	33	13	7	353
161, 921	Aldrich, George W., assignor of one-half interest to William H. Bond, Syracuse, N. Y. Fluid can and measure	Jan. 19, 1875	408	137	7	97
167, 601	Same.....Dinner-pail and lamp	Apr. 13, 1875	306	102	7	623
169, 941	Aldrich, George W., Syracuse, assignor of one-half interest to Isaac R. Pharis, Geddes, N. Y. Liquid-measure	Sept. 14, 1875	210	65	8	443
169, 941	Aldrich, James T., Norwich, Conn. Registering-gate	Nov. 16, 1875	627	195	8	831

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. g.	Vol.	Page.
164, 955	Aldrich, Martin V., and George F. Higgins, East Saginaw, Mich. Car-brake	June 29, 1875	1077	347	7	1109
166, 678	Aldrich, Wales, assignor of one-half interest to Dayton Machine Company, Dayton, Ohio. Force-feed apparatus for grain-drills	Aug. 17, 1875	488	149	8	285
166, 739	Aldrich, Wales, assignor to Dayton Machine Company, Dayton, Ohio. Grain-drill	Aug. 17, 1875	547	168	8	293
169, 328	Aldrich, Wales, assignor of one-half interest to Henry C. Herchelrode, Dayton, Ohio. Horse hay-rake	Nov. 2, 1875	2	1	8	735
169, 329	Same..... Horse-rake	Nov. 2, 1875	3	1	8	735
165, 292	Aldrich, William H., Beloit, Wis. Windmill	July 6, 1875	134	40	8	27
169, 942	Aldridge, Liberty, Boston, assignor to self and E. Baker Welch, Cambridge, Mass. Watchman's time-check	Nov. 16, 1875	628	195	8	831
163, 348	Alexander, Abram, Pittsburgh, assignor to Farrelly Alden, Allegheny, Pa. Compound steam-engine	May 18, 1875	606	193	7	850
164, 121	Alexander, Alfred M., Indianapolis, Ind. Folding umbrella	June 8, 1875	271	93	7	579
164, 507	Alexander, Charles H., Henry W., and Edward P., Philadelphia, Pa. Leather belting	June 15, 1875	640	207	7	1036
169, 222	Alexander, Charles L., Washington, D. C. Sash-fastener	Oct. 26, 1875	879	286	8	712
170, 503	Alexander, Charles M., Washington, D. C. Reclining-chair	Nov. 30, 1875	1174	371	8	922
	Alexander, C. M., et al. (See Kaceroovsky, Joseph, assignor.)					
	Alexander, Edward P. (See Alexander, Charles H., Henry W., and Edward P.)					
	Alexander, George F. (See Berry & Alexander.)					
	Alexander, Henry W. (See Alexander, Charles H., Henry W., and Edward P.)					
165, 049	Alexander, J. Park, Akron, Ohio. Process in the manufacture of fire-brick	June 29, 1875	1154		7	1130
170, 502	Same..... Manufacture of fire-brick	Nov. 30, 1875	1174		8	922
	Alexander, Margaret. (See Alexander, Urbana D., assignor.)					
	Alexander, Thomson H. (See Uindeleff, Demity, assignor.) (Reissue.)					
162, 454	Alexander, Urbana D., assignor to Margaret Alexander, Chicago, Ill. Coal-hod	Apr. 27, 1875	830	267	7	705
165, 698	Same..... same	July 20, 1875	562	172	8	110
159, 059	Algeo, William G., sr., and William G., jr., Rochester, Pa. Burial-casket	Jan. 26, 1875	702	231	7	142
163, 907	Alger, Freeman. (See Morris, Thomas M., assignor.)					
	Alger, George A., Manchester, assignor to Samuel G. Parker and John M. Farrar, Nashua, N. H. Combined carpet-stretcher and tack-driver	June 1, 1875	58	20	7	938
169, 757	Alisoff, Michael, St. Petersburg, Russia. Type-writing machine	Nov. 9, 1875	440	139	8	800
170, 978	Allain, Alphonse, Paris, and Alfred R. Dejean, Alais, France. Ore-washer	Dec. 14, 1875	310	140	8	999
170, 799	Allaire, Pierre L., Paris, France. Illuminating-gas apparatus	Dec. 7, 1875	132	44	8	962
7, 986	Allau, Robert, assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Carpet	Jan. 5, 1875			7	5
8, 045	Same..... (Design)	Feb. 9, 1875			7	222
8, 046	Same..... same	Feb. 9, 1875			7	222
8, 428	Same..... same	June 29, 1875			7	1098
8, 429	Same..... same	June 29, 1875			7	1098
8, 430	Same..... same	June 29, 1875			7	1098
8, 431	Same..... same	June 29, 1875			7	1098
8, 432	Same..... same	June 29, 1875			7	1098
8, 433	Same..... same	June 29, 1875			7	1098
8, 434	Same..... same	June 29, 1875			7	1098
8, 435	Same..... same	June 29, 1875			7	1098
8, 436	Same..... same	June 29, 1875			7	1098
8, 437	Same..... same	June 29, 1875			7	1098
8, 438	Same..... same	June 29, 1875			7	1098
8, 439	Same..... same	June 29, 1875			7	1098
159, 137	Allard, Darerick, Saint Albans, Vt. Spark-arrester	Jan. 26, 1875	769	253	7	152
171, 594	Allard, Darerick, Saint Albans, Vt. Spark-arrester	Dec. 28, 1875	925	303	8	1098
164, 705	Allen, Addis E., Perth River, N. Y. Rock-drilling mechanism	June 22, 1875	828	270	7	1070
167, 490	Allen, Almerin P., Denmark, Iowa. Roller and harrow	Sept. 7, 1875	94	29	8	420
6, 332	Allen, Anthony B., assignor, by mesne assignments, to Rufus Dutton and Richard H. Allen. Mowing-machine	Mar. 16, 1875	686	225	7	461
160, 863	Allen, Arthur M., assignor to Mary S. Allen, New York, N. Y. Exercising-machine	Mar. 10, 1875	576	187	7	445
163, 622	Allen, Benjamin, Trenton, N. J. School-seat	May 25, 1875	872	275	7	892
158, 351	Allen, Benjamin F., Boston, Mass. Printers' quoin	Jan. 5, 1875	1	1	7	9
162, 001	Same..... Chair	Apr. 13, 1875	367	124	7	631
162, 514	Same..... Varnish or coating for printers' inking-rolls	Apr. 27, 1875	883		7	712
6, 706	Allen, Burton, 2d., et al. (See Long, George S., assignor.)					
161, 192	Allen, Campbell, Albany, N. Y. Copy-slip for teaching penmanship	Oct. 19, 1875	733	241	8	684
	Same..... same	Mar. 23, 1875	878	258	7	494
	Allen, Charles G. (See Lufkin & Allen.)					
	Allon, Columbus H. (See Rupert, John B., assignor.)					
	Allen, Cotton H. (See Crenshaw, Thomas C., assignor.)					
161, 193	Allen, David, assignor to John M. Heath, Allegan, Mich. Plow-wheel	Mar. 23, 1875	879	298	7	494
	Allen, Edwin. (See Hills & Allen.)					
	Allen Fire Department Supply Company. (See Westland, Charles S., assignor.)					
168, 549	Allen, Frank H., Norwich, Conn. Locking-catch for revolvers	Oct. 11, 1875	233	77	8	605
171, 254	Allen, George A., Newark, N. J. Sleeve-button	Dec. 21, 1875	597	196	8	1045
	Allen, George H. (See Marshall, Horace B., assignor.)					
160, 377	Allen, H. Julien, Sturgis, Mich. Fruit-drier	Mar. 2, 1875	105	38	7	363
164, 706	Allen, Horace R., Indianapolis, Ind. Body-brace	June 22, 1875	830	270	7	1070
170, 217	Same..... Limb-receiver	Nov. 23, 1875	900	281	8	875
170, 655	Same..... Back and shoulder brace	Dec. 7, 1875	1	1	8	951
170, 656	Same..... Hip and thigh brace	Dec. 7, 1875	2	1	8	951
166, 243	Allen, Hosea, Titusville, Pa. Railway-rail joint	Aug. 3, 1875	53	17	8	206
168, 704	Same..... same	Oct. 11, 1875	374	122	8	625
				123		
166, 740	Allen, Hosea, Titusville, Pa., assignor of part interest to G. Shamburg, E. G. Patterson, Jonathan Watson, and Robert L. Kernochan. Oil-stove	Aug. 17, 1875	549	168	8	293
167, 724	Allen, James A., Albion, assignor to self and Henry Osborn, Shendah, Mich. Wind-mill	Sept. 14, 1875	314	100	8	458
161, 373	Allen, James M., Baltimore, Md., assignor to Franklin B. Colton, Philadelphia, Pa. Explosive pile-driver	Mar. 30, 1875	1075	348	7	527
168, 314	Allen, John F., New York, N. Y. Riveting-machine	Oct. 5, 1875	1	1	8	565
167, 865	Allen, John F., New York, assignor to George T. Hope, Bay Ridge, and Charles T. Porter, New York, N. Y. Balanced-valve	Sept. 21, 1875	463	146	8	487
	Allen, John H. (See Read & Allen.)					
165, 050	Alleu, John R., Pittsburgh, Pa. Carbureter	June 29, 1875	1155	372	7	1120
167, 725	Allen, Joseph B., assignor of one-half interest to Bradford O. Irons, Lanesville, Pa. Burglar-alarm	Sept. 14, 1875	315	100	8	548
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*Alphabetical list of patentees for the year 1875—Continued.*

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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6, 269	Allen, Levi O., Gardiner, Me., assignor to James F. Almy and Jefferson B. Brackett, Salom, Mass. Sewing-machine caster .....	Feb. 2, 1875	241	79	7	218
162, 332	Allen, Luther L., Mounouth, Mo., assignor to Eastern Manufacturing Company, Elizabeth, N. J. Machine for coating fabrics .....	Apr. 20, 1875	684	293	7	678
162, 515	Allen, Mary S. (See Allen, Arthur M., assignor.)					
171, 206	Allen, Michael, Natick, Mass. Machine for lining pipes with cement .....	Apr. 27, 1875	884	283	7	712
163, 623	Same..... Hydrant .....	May 25, 1875	553	181	6	1039
163, 959	Allen, Nelson R., Norwich, Conn. Camp-stool .....	May 25, 1875	873	275	7	892
161, 852	Allen, Nicholas I., assignor to George Draper & Son, Hopedale, Mass. Spool .....	June 1, 1875	100	34	7	945
167, 726	Allen, Norman, et al. (See Long, George S., assignor.)					
171, 335	Allen, Oscar M., Kalamazoo, Mich. Burial-casket .....	Apr. 13, 1875	239	80	7	615
168, 506	Allen, Richard H., et al. (See Allen, Anthony B., assignor.) .....					
169, 397	Allen, Robert T. P., Farmdale, Ky. Type-setting machine .....	Sept. 14, 1875	316	101	6	458
167, 051	Same..... Type-writing machine .....	Dec. 21, 1875	666	230	6	1051
165, 652	Allen, Samuel M., Dillsburgh, Pa. Clothes-pounder .....	Sept. 28, 1875	795	252	6	542
6, 288	Allen, S. H., et al. (See Schoonover, James S., assignor.)					
169, 397	Allen, Timothy, Fort Madison, Iowa. Washing-machine .....	Nov. 2, 1875	73	22	8	744
167, 051	Allen, Willard R., Galesburgh, Ill. Broom-making machine .....	Aug. 24, 1875	850	264	8	345
165, 652	Allen, William K., assignor to Benjamin F. Hill, Kansas City, Mo. Plow .....	July 20, 1875	522	159	8	105
6, 288	Allender, John, deceased, Thomas Allender, executor, and assignor, by mesne assignments, to Bailey Washing and Wringing Machine Company, Woonsocket, R. I. Wringing-machine .....	Feb. 9, 1875	481	161	7	260
6, 289	Same..... same .....	Feb. 9, 1875	482	161	7	260
165, 653	Allender, Thomas, executor. (See Allender, John) .....					
159, 138	Allendorf, Lewis N., Poughkeepsie, N. Y. Automatic gate .....	July 20, 1875	523	159	8	105
165, 780	Allensworth, William. (See Argerbright & Allensworth.)					
166, 738	Allensworth, William, Troy, Ohio. Boiler-furnace .....	Jan. 26, 1875	770	253	7	152
166, 738	Alley, James P. (See Cordesman, Henry J., jr., assignor.)					
166, 738	Alley, Stephen, Glasgow, Scotland. Heat-indicator for journal-bearings .....	July 20, 1875	635	195	8	120
166, 738	Alliger, Richard D. (See Moore, Daniel and Edwin, assignors.)					
166, 738	Allis, Abram Q., Cleveland, Ohio. Oil-stove .....	Aug. 17, 1875	547	168	8	293
166, 738	Allison, Joseph W. (See Jones, George R. G., assignor.)					
166, 738	Allison, J. Wesley, et al. (See Browning, Joseph, assignor.)					
166, 738	Allison, T. Elwood, et al. (See Browning, Joseph, assignor.)					
159, 881	Allison, T. Elwood, Philadelphia, Pa. Advertising-apparatus .....	Feb. 16, 1875	619	205	7	282
166, 738	Allison, William C., et al. (See Browning, Joseph, assignor.)					
166, 738	Allport, Walter W. (See Williams & Allport.)					
169, 398	Allred, John J., assignor to self and Alton G. Jordan, Charlotte, N. C. Eyeletting-machine .....	Nov. 2, 1875	74	22	8	744
163, 565	Alluist, Venanzio. (See Barselotti & Alluist) .....					
163, 565	Allyn, Gardon S., Groton, Conn. Apparatus for treating or drying scraps or offal .....	May 25, 1875	817	259	7	885
158, 615	Allyn, Timothy P., Nyack, N. Y. Spring for railway-cars .....	Jan. 14, 1875				180
158, 615	Almond, Thomas R., Fitchburgh, Mass. Traveler's lamp .....	Jan. 12, 1875	250	84	7	59
158, 615	Same..... Combined flask and packing-box .....	Apr. 27, 1875	952	306	7	720
160, 864	Almy, James F., et al. (See Allen, Levi O., assignor) .....					
160, 864	Altheide, Joseph H. (See Moll & Altheide.)					
160, 864	Althouse, John A., New Harmony, Ind. Millstone-balance .....	Mar. 16, 1875	578	188	7	445
160, 864	Althouse, Milo J. (See Raymond, Albert and George, assignors.)					
169, 666	Altman, David, Nashville, Tenn. Shingle .....	Nov. 9, 1875	345	109	8	788
159, 374	Alverson, Andrew H., New Haven, Conn. Hook .....	Feb. 2, 1875	119	41	7	200
160, 741	Alvord, Clark, Binghamton, N. Y. Blacking for boots, &c. ....	Mar. 16, 1875	465		7	431
163, 131	Alvord, Cornelius L., New York, N. Y. Spring-bed .....	May 11, 1875	383	124	7	805
164, 122	Alvord, Mary A., New York, N. Y. Spout-attachment for dumping-carts .....	June 8, 1875	272	93	7	979
160, 252	Alwood, Josiah H., Melz, Ind. Washing-machine .....	Mar. 2, 1875	1	1	7	349
158, 616	Amann, Charles H., Columbus, Ohio. Sectional dinner-pail .....	Jan. 12, 1875	251	84, 85	7	59
160, 991	Amazean, Christopher, Boston, Mass. Paper bag .....	Mar. 23, 1875	696	229	7	471
168, 076	Same..... Carpet-lining .....	Sept. 28, 1875	669	213	8	525
169, 399	Same..... Paper bag .....	Nov. 2, 1875	75	22	8	745
169, 667	Auberg, William A., Chicago, Ill. Temporary binder .....	Nov. 9, 1875	346	109	8	78
171, 495	Same..... Letter-file cabinet .....	Dec. 28, 1875	833	{ 273 } { 274 }	8	1085
164, 122	Ambrose, David R. (See Jacobus & Ambrose.)					
165, 525	Am Ende, Charles G. (See Gabn, Henrik.)					
164, 122	American Art Foundry. (See Grasser & Steppasson.)					
164, 122	Same..... (See Grasser, Charles, assignor.)					
164, 122	American Butt Company. (See Sweetland, Nathan, assignor.)					
164, 122	American Button-Hole, Overseaming, and Sewing Machine Company. (See Reh fuss, George, assignor.)					
164, 122	American Cable Screw Wire Company. (See Goddu, Louis, assignor.)					
164, 122	Same..... same .....					
164, 122	Same..... (See Rogers, Willard A., assignor.)					
164, 122	American Car-Fare Register Company. (See Inlay, Charles G., assignor.)					
164, 122	American Fire-Kindler Company. (See Husbands, Joseph D., jr., assignor) ..					
164, 122	American Hot Rolled Shafting Company. (See Thomas, Leopold, assignor) ..					
164, 122	American Invention Company. (See Mefford, David M., assignor.)					
164, 122	Same..... same .....					
164, 122	American Linoleum Manufacturing Company. (See Walton, Frederick, assignor.)					
164, 122	American Mill and Metallurgical Company. (See Eames & Patchen, assignors.)					
164, 122	American Nickel Plating Company. (See Adams, Isaac, assignor) .....					
164, 122	American Ring Company. (See Parker, Edward, assignor) .....					
164, 122	Same..... (See Tucker, George W., assignor.)					
164, 122	American Screw Company. (See Worsley, Samuel L., assignor.)					
164, 122	American Steam and Water Recorder Company. (See Stoeie, Ferdinand, assignor.)					
164, 122	American Tube Works. (See Whitehouse, Thomas, assignor.)					
164, 122	American Watch Company. (See Word, Charles V., assignor.)					
164, 122	Amerman, Charles A., Hartford, Conn. Valve-gear for steam-engines .....	June 8, 1875	273	93	7	979
165, 525	Ames, Adelbert, Natchez, Miss. Fireman's extension-ladder .....	July 13, 1875	388	116	8	70
163, 433	Ames, Iron Works. (See Morgan, William P., assignor.)					
164, 707	Ames, Josephine N., New York, N. Y. Corset .....	May 18, 1875	677	216	7	859
161, 086	Ames, William R., Nebraska City, Nebr. Hog-catching implement .....	June 22, 1875	631	270	7	1070
161, 086	Amidon, Charles H., Miller's Falls, Mass. Child's carriage .....	Mar. 23, 1875	761	257	7	482
159, 375	Amis, George. (See Barber & Amis.)					
170, 501	Amish, William C., Hainesport, N. J. Core-forming machine .....	Feb. 2, 1875	119	42	7	201
170, 501	Amole, John, Buckley, Ill. Milk-pail .....	Nov. 30, 1875	1175	371	8	922

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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163, 908	Amory, Jonathan, Boston, Mass. Car-heater and ventilator	June 1, 1875	59	20	7	938
165, 293	Amrock, Edward, and Chester Judson, West Newton, Mass. Mail-bag catch	July 6, 1875	135	41	8	27
169, 668	Ams, Max, New York, N. Y. Process of preserving caviar	Nov. 9, 1875	347	.....	8	788
162, 992	Amsden, Payette M., Middleborough, and Marcus E. Amsden, Clinton, Mass. Indicator.	May 11, 1875	258	83	7	789
169, 506	Amsden, Marcus E. (See Amsden, Fayette M. and Marcus E.) Anders, George L., Boston, assignor to E. B. Welch, Cambridge, Mass. Magneto-printing telegraph	Nov. 2, 1875	163	54, 55	8	757
161, 194	Anderson, Christian, Brooklyn, N. Y. Filter	Mar. 23, 1875	879	289	7	494
170, 900	Anderson, Abraham, and Leander W. Golly, Camden, N. J. Soldering-iron	Dec. 7, 1875	133	44	8	968
162, 877	Anderson, Adolph V., assignor of one-half interest to Manuel Ascheim, Virginia City, Nev. Car-coupling	May 4, 1875	127	42	7	763
165, 146	Anderson, August W., Lyon County, Nevada. Quartz-mortar	July 6, 1875	1	1	8	9
164, 411	Anderson, Charles, Feitkyil, North Britain, assignor of two-thirds interest to Pusey, Jones & Co., Wilmington, Del., and Carl Hofmann, Karlsruhe, Germany. Regulating and adjusting bands in driving machinery. Anderson, Charles T. (See Power & Anderson.)	June 15, 1875	558	{ 181 182 }	7	1026
158, 822	Anderson, Edward W., Washington, D. C. Vehicle seat and body	Jan. 19, 1875	154	{ 151 152 }	7	103
164, 956	Same..... Combined fork and skewer-pull	June 29, 1875	1078	347	7	1109
160, 070	Anderson, Hector, Durand, Wis. Sheer-boom	Feb. 23, 1875	812	267	7	315
169, 330	Anderson, Henry, Vallejo, Cal. Mandrel for broom-machines	Nov. 2, 1875	4	1	8	735
6, 275	Anderson, Henry, San Francisco, and James F. Houghton, Sacramento, Cal., assignors, by mesne assignments, to Henry Anderson and John B. Robinson. Broom-machine. (Reissue).	Feb. 9, 1875	468	157	7	258
160, 502	Anderson, Isaac L., Lancaster, Mo. Wagon-axle and thimble-skein	Mar. 9, 1875	235	81	7	391
159, 293	Anderson, James, New York, N. Y. Ticket-printing machine	Feb. 2, 1875	45	17	7	191
162, 212	Anderson, James, Allegheny, Pa. Soda-water generator	Apr. 20, 1875	576	189	7	665
158, 563	Anderson, James A., Cleveland, Ohio. Car-truck	Jan. 12, 1875	202	69	7	53
164, 957	Anderson, James C., Pittsburgh, Pa. Spring bed-bottom	June 29, 1875	1079	347	7	1109
168, 122	Anderson, James T. L., Brooklyn, N. Y. Eyeglasses	Sept. 28, 1875	719	226	8	530
159, 139	Anderson, John, New York, N. Y. Gas-regulator	Jan. 26, 1875	770	253	7	152
163, 434	Anderson, John P., Philadelphia, Pa. Mill for grating cocoa-nuts	May 18, 1875	678	216	7	859
158, 823	Anderson, Magnus, Chicago, Ill. Corner for show-cases	Jan. 19, 1875	156	152	7	103
168, 077	Anderson, Valerius D., Springfield, Ohio. Boiler-feeder	Sept. 28, 1875	669	213	8	525
169, 758	Same..... Sectional steam-boiler	Nov. 9, 1875	445	{ 140 141 }	8	800
166, 446	Anderson, William H., assignor of one-half interest to A. J. Pouch, Brooklyn, N. Y. Man-hole for oil-tanks	Aug. 10, 1875	270	81	8	245
170, 697	Same..... Man-hole cover for oil-tanks	Dec. 7, 1875	40	12	8	956
	Anderson, Wolf H. (See Jones, Harvey P., assignor.)					
	Andertou, John. (See Warfield, Oliver D., assignor.)					
6, 737	Andrew, William E., New York, N. Y. Process of rendering animal fats	Nov. 16, 1875	814	.....	8	856
166, 955	Same..... Method of making a substitute for butter from the oils of animal fats.	Aug. 24, 1875	759	.....	8	332
164, 247	Andrews, Alfred H., et al. (See Jackson, David, assignor.) Andrews, Benjamin, Philadelphia, Pa. Shawl or carrying strap-handle	June 8, 1875	385	131	7	994
	Andrews, Charles B., et al. (See Hauck, Samuel, jr., assignor.)					
	Andrews, Cyrus F. (See Thurber, Albert E., assignor.)					
170, 324	Andrews, Edward P. S., Lisbon, Me. Swinging ship's berth	Nov. 23, 1875	996	312	8	889
158, 453	Andrews, Edwin F., assignor of two-thirds interest to Alfred W. Roper, Saint Louis, and Joseph D. Keebaugh, Glasgow, Mo. Brick-machine	Jan. 5, 1875	86	30, 31	7	21
170, 928	Andrews, Edwin F., assignor of three-fourths interest to Alfred W. Roper, Saint Louis, Joseph D. Keebaugh, Glasgow, and Sam. J. Conley, Columbia, Mo. Brick drier	Dec. 7, 1875	241	82, 83	8	982
159, 140	Andrews, Elisha W. (See Lockwood, Robert M., assignor.)					
165, 051	Andrews, Emanuel, Williamsport, Pa. Saw-handle	Jan. 26, 1875	771	254	7	152
166, 837	Same..... Handle for cross cut-saws	June 29, 1875	1156	372	7	1120
6, 276	Andrews, Emery, Welchville, Me. Machine for stripping leather-board, &c.	Aug. 17, 1875	620	196	8	306
	Andrews, Emery, and William Tucker, Fiskedale, Mass., assignors, by mesne assignments, to Andrew and Samuel E. Spring and James C. Jordan, Portland, Me. Manufacture of matches. (Reissue).	Feb. 9, 1875	469	157	7	258
158, 452	Andrews, H., New Haven, Conn. Parallel-ruler	Jan. 5, 1875	85	30	7	21
	Andrews, Herbert L., et al. (See Jackson, David, assignor.)					
164, 124	Andrews, Herbert L., Chicago, Ill. Trunk-stay	June 8, 1875	274	93	7	979
164, 248	Same..... School desk and seat	June 8, 1875	386	131	7	994
	Andrews, Isaac R., et al. (See West, Augustine C., assignor.)					
	Andrews, James. (See Eads & Andrews.)					
163, 960	Andrews, James, Detroit, Mich. Burglar-alarm	June 1, 1875	100	34	7	945
	Andrews, John T., 2d. (See Tarbox, Jerome L. and H. L., assignors) (Reissue).					
171, 496	Andrews, Randal T., assignor to Seth Thomas Clock Company, Thomaston, Conn. Lock-work attachment to clocks	Dec. 28, 1875	836	274	8	1085
163, 132	Andrews, Thomas, jr., New York, N. Y., and Samuel C. Talcott, Ashtabula, Ohio. Device for holding artificial flowers in boxes	May 11, 1875	383	124	7	805
168, 596	Andrews, Tyler, assignor to self and Abalom Osbourne, Boston, Mass. Machinery for skiving counters for boots and shoes	Oct. 11, 1875	280	91	8	611
166, 838	Andrews, William H., assignor to Mallory, Wheeler & Co., New Haven, Conn. Padlock	Aug. 17, 1875	631	196	8	306
169, 074	Andrus, William, and Samuel J. Wallace, Keokuk, Iowa. Feed-water heater for steam-generators	Oct. 26, 1875	743	243	8	693
162, 516	Angel, Frank E., Los Angeles, Cal. Combined blotter, paper-cutter, and ruler	Apr. 27, 1875	885	283	7	712
169, 223	Angel, John G., New Orleans, La. Sugar cooling and draining apparatus	Oct. 26, 1875	879	286	8	712
160, 992	Angers, John, Dallas, Tex. Rattoon-cutting machine	Mar. 23, 1875	697	229	7	471
162, 787	Angle, Lewis M., Chicago, Ill. Foot-rest (Design.)	May 4, 1875	49	15	7	753
	Anglin, Calton G. (See Lunday & Anglin)					
167, 866	Angus, John, assignor of two-thirds interest to James S. and Frederick H. Hall, Calais, Me. Process of tanning hides and skins	Sept. 21, 1875	461	.....	8	487
168, 955	Annis, James B., Rochester, N. Y. Differential gear for traction-engines	Oct. 19, 1875	611	203	8	667
169, 759	Annis, James B., and John A. Nutt, Rochester, N. Y., assignors to Elihu J. Granger, Brooklyn, N. Y. Veneer-cutting machine	Nov. 9, 1875	446	141	8	801
162, 735	Annis, Joseph, Brooklyn, N. Y. Spring-hinge	May 4, 1875	1	1	7	747
159, 626	Ansart, Charles B., Oil City, Pa. Tooth-polishing attachment for dental engines	Feb. 9, 1875	361	120	7	243
159, 013	Ansley, George W., Marshall, Mich. Cartridge-loading device	Jan. 26, 1875	663	217	7	137
	Antes, Frederick. (See Brown, Charles H., assignor.)					
160, 897	Antes, Frederick, assignor to Theodore Wenk and Samuel Leber, New York, N. Y. Ash-sifter	Mar. 16, 1875	533	173	7	439
171, 255	Anthoine, James W., Miller's Falls, Meas. Angular bit-steck	Dec. 31, 1875	592	196	8	1045

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Anthony & Co., E. & H. T. (See Anthony, Henry T., assignor.)					
	Same..... (See Barker, Erastus B., assignor.)					
	Same..... (See Lewis, William H., assignor.)					
8, 272	Anthony, Benjamin M., assignor to Michigan Stove Co., Detroit, Mich. Stove. (Design)	Apr. 20, 1875			7	651
161, 730	Anthony, Edward, and Jesse Beadle, Shickshinny, assignors of one-third interest to Edward Price, jr., Scranton, Pa. Compound for welding steel.	Apr. 6, 1875	122		7	586
170, 042	Anthony, Henry T., assignor to E. & H. T. Anthony & Co., New York, N. Y. Photograph-album	Nov. 16, 1875	710	225	8	843
	Anthony, Rowland C. (See Yerrington, Henry W., assignor.)					
171, 465	Appley, John F., Beloit, Wis. Grain-binder	Dec. 28, 1875	799	263	8	1081
162, 002	Appley, John F., assignor of one-half interest to E. D. Bishop, Mazomania, Wis. Harvester-rake.	Apr. 13, 1875	368	124	7	632
161, 651	Appley, Remsen, Perth Amboy, N. J. Cigar-mold	Apr. 6, 1875	55	20	7	577
165, 911	Appley, Remsen, New York, N. Y. Cigar-machine	July 27, 1875	779	239	8	153
160, 138	Appley, Stephen V., Spotswood, N. J. Treating chewing-tobacco	Feb. 23, 1875	866		7	324
161, 087	Applegate, John H., and Charles B. Webb, Philadelphia, Pa. Sewing-machine.	Mar. 23, 1875	782	257	7	482
169, 331	Appleton, Charles J., Philadelphia, Pa. Knitting-machine	Nov. 2, 1875	5	2	8	735
169, 943	Same..... Knitting-machine needle	Nov. 16, 1875	630	195	8	831
171, 466	Appleton, Charles J., Elizabeth, N. J. Knitting-machine	Dec. 28, 1875	801	264	8	1081
164, 125	Appley, Franklin G., Providence, R. I. Mousing-hook	June 8, 1875	274	94	7	979
163, 291	Ara, Alberto, and Mario Del Bubba, Florence, Italy. Preserving metals from oxidation	May 18, 1875	551		7	843
163, 719	Araudall, Charles, and William C. Runyan, Marathon, Ohio. Fly-trap	May 25, 1875	949	301	7	922
158, 666	Archbold, Samuel, Chester, Pa. Compound engine	Jan. 12, 1875	296	160	7	65
	Archer, George A., et al. (See Archer, William S., assignor.)					
8, 440	Archer, George W., Rochester, N. Y. Piano-stool (Design)	June 29, 1875			7	1095
158, 880	Archer, George W., Rochester, N. Y. Dentist's chair	Jan. 19, 1875	505	169	7	109
171, 207	Archer, Horace S., assignor to George W. Wentworth, Haverhill, Mass. Combined shoulder-braces and suspenders	Dec. 21, 1875	554	181	8	1039
161, 993	Archer, William S., assignor of three-fourth interest to Charles B. Clegg, E. Morgan Wood, and George A. Archer, Horse hay-rake	Mar. 23, 1875	667	230	7	471
	Ardy, John. (See Darling, William H., assignor.)					
168, 443	Arend, George, Brooklyn, N. Y. Manufacture of sugar toy watches and chains	Oct. 5, 1875	108	37	8	581
159, 627	Argonbright, Daniel, Troy, Ohio. Ladder	Feb. 9, 1875	362	130	7	243
163, 436	Same..... Vehicle-seat lock	May 18, 1875	679	217	7	859
159, 141	Argonbright, Daniel, and William Allensworth, Troy, Ohio. Smoke-consuming furnace	Jan. 26, 1875	772	254	7	152
160, 378	Same..... Furnace for consuming smoke	Mar. 2, 1875	107	39	7	364
161, 731	Armbrust, John D. M., Apollo, Pa. Boiler washing-machine	Apr. 6, 1875	122	43	7	586
	Armbruster, Jacob H. (See Ellis, Joseph W., assignor.)					
	Same..... (See Fewkes, Joseph T., assignor.)					
163, 961	Armiger, Richard, Baltimore, Md. Refrigerating-car	June 1, 1875	101	35	7	945
170, 325	Armitage, Edward, Philadelphia, Pa. Oscillating bed-stone	Nov. 23, 1875	997	313	8	829
	Armor, Robert E. (See Hoffman, John L., assignor.)					
161, 318	Armour, John M., Northwood, Ohio. Windmill	Mar. 30, 1875	1819	333	7	321
170, 326	Same..... Wind-power	Nov. 23, 1875	998	313	8	889
165, 631	Arms, Charles, South Deerfield, Mass. Pocket-book	July 29, 1875	524	160	8	105
164, 249	Arms, James C., Northampton, Mass. Photograph-album	June 8, 1875	387	131	7	994
169, 610	Arms, John L., assignor of part interest to Granville R. Ober and William H. Renaud, New Orleans, La. Railway-switch	Nov. 9, 1875	287	93	8	781
162, 003	Armstrong, Augustin B., Dorset, Vt. Cheese-vat	Apr. 13, 1875	370	124	7	632
162, 789	Armstrong, Daniel, and John A. Hutchinson, Chicago, Ill. Machine for finishing horse-shoe-nails	May 4, 1875	51	16, 17	7	753
163, 437	Armstrong, Edward, assignor to self and James R. Hutchinson, Allegheny, Pa. Slide-valve for steam-engines	May 18, 1875	620	217	7	860
162, 788	Armstrong, Elvin, Jerseyville, Ill. Bee-hive	May 4, 1875	50	16	7	753
170, 698	Same..... Same	Dec. 7, 1875	41	12	8	956
	Armstrong, Frank. (See Carroll, Thomas J., assignor.)					
	Same..... (See House, Henry A., assignor.)					
171, 209	Armstrong, Frank, Bridgeport, Conn. Barbed fence-wire	Dec. 21, 1875	554	181	8	1039
168, 550	Armstrong, Frank, and George Doolittle, Bridgeport, Conn.; said Doolittle assignor to said Armstrong. Barbed fence-wire	Oct. 11, 1875	233	77	8	605
	Armstrong, Fred S., et al. (See Farmer, David J. and Samuel, assignors.)					
168, 078	Armstrong, George, Elmira, Ill. Husking-pin	Sep. 28, 1875	570	213	8	525
	Armstrong, Hartley K., et al. (See Farmer, David J. and Samuel, assignors.)					
164, 959	Armstrong, James, Toledo, Ohio. Feed-water heater for steam-boilers	June 29, 1875	1080	343	7	1109
166, 328	Armstrong, James, Cambridge, Mass. Book-backing machine	Aug. 3, 1875	129	40	8	217
166, 329	Same..... Book-sewing machine	Aug. 3, 1875	131	41	8	218
	Armstrong, James A. (See Christie, James J., assignor.)					
170, 430	Armstrong, John B., Guelph, Canada. Furnace for heating steel in tempering	Nov. 30, 1875	1107	349	8	913
6, 364	Armstrong, Thomas, Hamilton Canada. Hoof-spreader. (Reissue.)	Apr. 6, 1875	232	77	7	602
	Arnao, José F. (See Arnao, Juan, José F., and Juan, jr.)					
159, 738	Arnao, Juan, José F., and Juan, jr., Brooklyn, N. Y. Fire-escape	Feb. 16, 1875	485	163	7	265
164, 631	Arnold, Samuel, and Wallace S. Ayres, Easton, Pa. Pump	Feb. 22, 1875	757	249	7	1061
167, 381	Arnold, Benjamin F., Westerly, R. I. Stop-motion for looms	Sept. 7, 1875	2	1	8	407
	Arnold, Daniel H. (See Jenks, Henry F., assignor) (Reissue.)					
161, 374	Arnold, Don Juan, Brownville, Nebr. Earth-anger	Mar. 30, 1875	1076	349	7	327
164, 790	Arnold, Francis, Chatham, Conn. Bell-tow	June 22, 1875	901	293	7	1080
165, 526	Arnold, Hudson H. C., Nicholasville, Ky. Animal-trap	July 13, 1875	390	116	8	70
164, 898	Arnold, Irving, Fitchburgh, Mass. Friction-clutch	June 29, 1875	1025	331	7	1163
171, 336	Arnold, John, Newark, N. J. Shutter-fastener	Dec. 21, 1875	668	220	8	1054
170, 929	Arnold, John C., Whitinsville, Mass. Spindle for spinning-machines	Dec. 14, 1875	261	87	8	993
158, 774	Arnold, Philip, Elizabethtown, Ky. Horse-detacher	Jan. 19, 1875	409	137	7	97
	Arnold, Seth. (See Chilson Libbens, assignor.)					
161, 652	Arnold, Stephen D., assignor to P. and F. Corbin, New Britain, Conn. Fastener for meeting-rails of sashes	Apr. 6, 1875	55	20	7	577
164, 126	Same..... Bell-pull	June 8, 1875	275	94	7	979
164, 958	Arnold, Thomas R., Knoxborough, N. Y. Harvester-cutler	June 29, 1875	1080	347	7	1109
171, 078	Arnold, Wilbur F., Winthrop, Conn. Screw for knobs	Dec. 14, 1875	399	132	8	1011
159, 060	Arrants, John B., Society Hill, S. C. Bale-tie	Jan. 26, 1875	702	231	7	142
163, 133	Arrants, John B., Society Hill, assignor to Charles G. Matthews, Charleston, S. C. Bale-tie	May 11, 1875	384	124	7	865
	Arras, John D. (See Reiz, Nikolau, assignor.)					
160, 071	Arrick, Clifford, Washington, D. C. Projectile for ordnance	Feb. 23, 1875	813	267	7	315
164, 668	Arrowsmith, George, Buffalo, N. Y. Turbine water-wheel	June 22, 1875	791	259	7	1065
163, 435	Arthur, Charles M., and James Bentley, Birmingham, Conn. Paper box	May 18, 1875	679	216	7	859
	Asby, William. (See Outson, Jacob P., assignor.)					

Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 503	Ascheim, Manuel. (See Anderson, Adolph V., assignor.)	Mar. 9, 1875	236	81	7	391
166, 839	Aseongh, William, Buffalo, N. Y. Combined bevel, try-square, and dividers.	Aug. 17, 1875	632	196 197	8	306
163, 438	Ash & Brother, Louis. (See Ash, Benjamin, assignor.)	May 18, 1875	681	217	7	860
160, 742	Asb, Benjamin, assignor to Louis Ash & Brother, New York, N. Y. Cigar-box	May 18, 1875	681	217	7	860
160, 742	Asb, J. B., et al. (See Perry, John L., assignor.)	Mar. 16, 1875	465	153	7	431
163, 962	Ash, John S., Buckingham, Pa. Pump.	Mar. 16, 1875	465	153	7	431
170, 460	Ashbourne, Alexander P., Oakland, Cal. Process for preparing cocoa-nut for domestic use.	June 1, 1875	102	37	7	945
170, 460	Same..... Biscuit-cutter	Nov. 30, 1875	1133	375	8	916
169, 669	Ashcraft, Jacob, Frazeysburgh, Ohio. Mowing-machine.	Nov. 9, 1875	348	109 110	8	788
167, 210	Ashcroft, Charles E. (See Kendall, James, assignor.)	Aug. 31, 1875	1022	317	8	376
6, 652	Ashcroft, Edward H. (See Ashcroft, John, assignor.)	Aug. 31, 1875	1022	317	8	376
6, 653	Ashcroft, Edward H., Boston, Mass. Furnace-door.	Aug. 31, 1875	1022	317	8	376
162, 335	Ashcroft, Edward H., Lynn, assignor, by mesne assignments, to R. A. Ballou, Boston, Mass., assignor to Edward H. Ashcroft. Railway-car heater. (Reissue.)	Sept. 21, 1875	664	210	8	516
162, 335	Ashcroft, Edward H., Lynn, assignor, by mesne assignments, to R. A. Ballou, Boston, Mass. Fire-extinguisher. (Reissue.)	Sept. 21, 1875	665	211	8	516
162, 333	Ashcroft, Edward H., Boston, Mass., assignor of one-half interest to John Ashcroft, Brooklyn, N. Y. Furnace-door.	Apr. 20, 1875	687	224	7	679
162, 333	Ashcroft, John, Brooklyn, N. Y., assignor of one-half interest to Edward H. Ashcroft, Boston, Mass. Furnace-door.	Apr. 20, 1875	685	223	7	679
162, 334	Same..... same	Apr. 20, 1875	686	224	7	679
162, 334	Ashley, Frederick, Brooklyn, N. Y. Car-starter.	June 8, 1875	275	94	7	979
162, 878	Ashley, James N., et al. (See Pope, Frank L., assignor.) (Reissue.)	June 8, 1875	275	94	7	979
162, 878	Ashworth, Harvey T., assignor to self and James T. Graves, Berger's Store, Va. Mill-stone dress.	May 4, 1875	128	42	7	764
163, 624	Askew, Aaron O. (See Ellyson & Askew.)	May 4, 1875	128	42	7	764
169, 131	Askie, John W., Melrose, Mass. Stop-motion for machinery.	May 25, 1875	874	275	7	892
166, 956	Same..... Corset	Oct. 26, 1875	801	260	8	700
161, 319	Askwith, John, Chicago, Ill. Oil-can.	Aug. 24, 1875	760	235	8	332
165, 196	Astaly, Christoph, New York, N. Y. Bed-lounge.	Mar. 30, 1875	1021	333	7	521
171, 543	Aston, John B., Pittsburg, Pa. Mode of blackwashing molds.	July 6, 1875	54	16	8	16
166, 059	Aston, William E., Brooklyn, N. Y. Buckle.	Dec. 28, 1875	877	287	8	1091
166, 059	Atchison, T. A. (See Rodes, Tyree, assignor.)	July 27, 1875	918	284	8	171
168, 207	Atha, Benjamin, Newark, N. J. Clasp for uniting webs of cloth for jappanning.	July 27, 1875	918	284	8	171
168, 207	Atherton, Abel T., et al. (See Labounty, Leonard J., assignor.)	Sept. 28, 1875	795	253	8	512
168, 207	Atherton, Abel T. (See Whithead & Atherton.)	Sept. 28, 1875	795	253	8	512
168, 207	Atherton, Galen P., assignor of one-half interest to Sherman Fletcher, Worcester, Mass. Corner-bead for plastering.	Sept. 28, 1875	795	253	8	512
159, 739	Atkeson, George A. (See Wroth, Alfred B., assignor.)	Feb. 16, 1875	486	163	7	265
164, 708	Atkins, Andrew A., Saint Petersburg, Pa. Fluid-ejector.	Feb. 16, 1875	486	163	7	265
171, 319	Atkins, Carroll J., Louisiana, Mo. Draw-bridge fastening.	June 22, 1875	832	271	7	1071
166, 676	Atkins, Elias C., Indianapolis, Ind. Crosscut-saw handle.	Dec. 21, 1875	668	220	8	1054
165, 197	Atkins, Jearum, Washington, D. C. Water-wheel.	Aug. 10, 1875	465	143	8	273
165, 197	Atkinson, Edward, Brookline, and Ernest Edwards, Boston, Mass. Top-roll covering for drawing and spinning frames.	July 6, 1875	55	16	8	16
159, 376	Atkinson, George, et al. (See Wroth, Alfred B., assignor.)	July 6, 1875	55	16	8	16
170, 801	Atkinson, George, San Francisco, Cal. Rock-drilling machine.	Feb. 2, 1875	120	42	7	201
170, 979	Atkinson, James M., Pittsburg, Pa. Fire-place heater.	Dec. 7, 1875	134	44	8	968
170, 461	Same..... Street-railway-rail chair.	Dec. 14, 1875	311	103	8	999
170, 461	Atkinson, James S., Pittsburg, assignor to Benjamin F. Jones, Allegheny, Pa. Straightening-machine.	Nov. 30, 1875	1134	358	8	916
168, 207	Atkinson, William D., jr. (See Jones, Charles P., assignor.) (Reissue.)	Nov. 30, 1875	1134	358	8	916
168, 207	Atlantic Retining Company, et al. (See Perkins, George H., assignor.)	Nov. 30, 1875	1134	358	8	916
8, 220	Atterbury, James S. (See Atterbury, Thomas B., assignor.)	Mar. 23, 1875	.....	.....	7	466
8, 450	Atterbury, James S. and Thomas B., Pittsburg, Pa. Salt-cellar. (Design.)	Mar. 23, 1875	.....	.....	7	466
8, 827	Same..... Glass dish for table use. (Design.)	July 6, 1875	.....	.....	8	3
164, 669	Same..... Glass dish. (Design.)	Dec. 7, 1875	.....	.....	8	945
164, 669	Same..... Laup. (Design.)	June 23, 1875	792	259	7	1065
159, 628	Atterbury, Thomas B. (See Atterbury, James S., and Thomas B.)	Mar. 23, 1875	.....	.....	7	466
8, 232	Same..... same (Design.)	Mar. 23, 1875	.....	.....	7	466
8, 673	Atterbury, Thomas B., Pittsburg, Pa. Covered glassware.	Feb. 9, 1875	363	121	7	243
8, 866	Atterbury, Thomas B., assignor of one-half interest to James S. Atterbury, Pittsburg, Pa. Pitcher. (Design.)	Mar. 30, 1875	.....	.....	7	516
159, 061	Atterbury, Thomas B., assignor to self and James S. Atterbury, Pittsburg, Pa. Lamp shade and chimney.	Oct. 5, 1875	.....	.....	8	560
159, 061	Atterbury, Thomas B., assignor to J. S. and T. B. Atterbury, Pittsburg, Pa. Glass shade. (Design.)	Dec. 28, 1875	.....	.....	8	1076
164, 632	Atterbury, Thomas B., assignor of one-half interest to James S. Atterbury, Pittsburg, Pa. Mold for and process of manufacturing glass articles.	Jan. 26, 1875	703	231	7	142
168, 893	Same..... Glass-annealing oven. (Design.)	June 22, 1875	758	249	7	1061
170, 218	Same..... Mold for pressing glass lamp-chimneys. (Design.)	Oct. 19, 1875	528	173	8	655
170, 219	Same..... Manufacture of glassware. (Design.)	Nov. 23, 1875	900	281	8	875
170, 431	Atterbury, Thomas B., assignor to self and James S. Atterbury, Pittsburg, Pa. Manufacture of lamps.	Nov. 23, 1875	901	281	8	875
170, 617	Atterbury, Thomas B., assignor to Dithridge & Co., Pittsburg, Pa. Tool for flaring and crimping lamp-chimneys, &c.	Nov. 30, 1875	1108	349	8	913
159, 629	Atwater, John J., Medford, Minn. Grain-binder.	Nov. 30, 1875	1284	406	8	936
168, 597	Atwood, Alfred N., Philadelphia, Pa. Compound for the manufacture of picture and similar frames.	Feb. 9, 1875	364	.....	7	243
168, 597	Atwood, Eugene. (See Atwood, John E. and Eugene.)	Feb. 9, 1875	364	.....	7	243
168, 597	Atwood, James B. (See Lamb, Watson F., assignor.)	Oct. 11, 1875	281	91	8	611
168, 597	Atwood, John E., Wilbraham, Mass. Nut-lock. (Reissue.)	Oct. 11, 1875	281	91	8	611
168, 597	Atwood, John E., Willimantic, Conn. Spinning-frame.	Nov. 2, 1875	165	55	8	757
162, 004	Atwood, John E., Mansfield, and Eugene Atwood, Willimantic, Conn. Device for securing and adjusting spinning-rings.	Oct. 19, 1875	612	203	8	668
163, 439	Atwood, Lewis J., assignor to Plume & Atwood Manufacturing Company, Waterbury, Conn. Lamp-burner.	Apr. 13, 1875	371	184	7	632
163, 439	Same..... same	May 18, 1875	681	217	7	860

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 132	Atwood, Loring, Rutland, Vt., assignor of one-half interest to Henry A. Hale, Brooklyn, N. Y. Dovetailing-machine.	Oct. 26, 1875	802	260	8	701
169, 944	Same. Chair-seat.	Nov. 16, 1875	631	196	8	821
166, 579	Atwood, William, Cape Elizabeth, Me. Washing-machine.	Aug. 10, 1875	378	117	8	261
164, 508	Anb, Philip D., assignor of one-half interest to Asa Heinemann, New York, N. Y. Playing-card.	June 15, 1875	641	207	7	1036
167, 290	Aubery, Albert C. (See Lewis, Mark M., assignor.) Aubin, Jules, Paris, France. Mill.	Aug. 31, 1875	1089	342	8	325
159, 377	Auel, Henry. (See Casey, Auel, and Johnson.)					
168, 598	Augbe, Silas S., Dayton, Ohio. Plow.	Feb. 2, 1875	121	42	7	201
162, 736	Augsburger, John, Trenton, Ohio. Land-marker.	Oct. 11, 1875	281	91	8	611
169, 611	Aultman & Co., C. (See Miller, Lewis, and Jacob, assignors). (Reissue.)					
169, 611	Aurocker, Thomas H., Philadelphia, Pa. Annunciator.	May 4, 1875	1	1	7	717
161, 633	Austin, David F., Geddes, N. Y. Door-lock.	Nov. 9, 1875	288	93	8	791
171, 338	Austin, Emmet R., Norwalk, Conn. Chain-propeller.	June 24, 1875	759	249	7	1061
161, 922	Austin, James E., assignor to Ionia Shingle Machine Manufacturing Company, Ionia, Mich. Machine for edging shingles. Austin, Jonathan. (See Covell, William H.). (Reissue.)	Dec. 21, 1875	669	221	8	1054
163, 440	Austin, Kenneth S., assignor to Benthor's Railway Axle Box Company, Birmingham, England. Car-axle box. Austin, Samuel. (See Steel & Austin.)	Apr. 13, 1875	307	102	7	623
169, 332	Austin, Stephen J., Saint Louis, Mo. Platform-scales.	May 18, 1875	682	218	7	860
167, 267	Austin, Theodore N. (See Rimes, Adam, assignor.)					
167, 267	Austin, William J., Hortonsville, Wis. Feed-water heater for steam-boilers.	Nov. 2, 1875	6	2	8	735
160, 865	Autenrieth, William, Cincinnati, Ohio. Club-foot shoe. Automatic Boiler Feeder Company. (See Cook, Silas, assignor). (Reissue.) Automatic Boiler Feeder Manufacturing Company. (See Cook, Silas, assignor.)	Sept. 21, 1875	464	147	8	487
164, 250	Averill, Edward W., assignor of one-fourth interest to Horace Barnard, New York, N. Y. Shirt-stud.	Mar. 16, 1875	578	188	7	445
163, 411	Avery, Benjamin F. (See Wiard, Edward, assignor.) Avery, Dexter, Westfield, Mass. Circular-weaving loom.	June 8, 1875	387	131	7	994
6, 399	Avil, John D., Philadelphia, Pa. Heating-stove. Ax, Christian, et al. (See Cussen, William J., assignor). (Design.)	May 18, 1875	683	218	7	860
167, 491	Axthelm, Ernst, Pittsburgh, Pa. Self-closing annunciator. (Reissue.)	Apr. 27, 1875	1094	{ 346 347 }	{ 7 7 }	737
6, 371	Ayer, John M. (See Harris & Ayer.) Ayer, John M., Chicago, Ill. Apparatus for manufacturing heating-gas. Ayers, Edward M. (See Gaylord & Ayers.)	Sept. 7, 1875	95	30	8	420
163, 134	Ayers, Samuel, and Henry J. Chamberlin, Worcester, assignors, by mesne assignments, to Edward P. Woods, Daniel Sherwood, and Cyrus H. Latham, Lowell, Mass. Wire toaster or broiler. (Reissue.)	Apr. 13, 1875	490	161	7	647
168, 957	Ayres, Jared A., Hartford, Conn. Operating-valve. Ayres, Samuel, Richmond, Va. Truss.	May 11, 1875	385	124	7	805
162, 005	Ayres, Wallace S. (See Arndt & Ayres.)	Oct. 19, 1875	613	203	8	668
161, 923	Azbill, Ross I., Edwardsport, Ind. Axle-skein for wagons.	Apr. 13, 1875	372	125	7	632
162, 879	Baader, Georg, Pittsburgh, Pa. Fountain-pen. Baader, Johann G., Saint Vincent's, Pa. Car-coupling.	Apr. 13, 1875	308	102	7	624
167, 291	Babbitt, Benjamin T. (See Johnson, Chester L., assignor.) Babbitt, Benjamin T., administrator. (See Otis, Elisha G.). (Extension.) Babbitt, Benjamin T., New York, N. Y. Furnace.	May 4, 1875	128	12, 43	7	704
170, 327	Same. Sectional boiler.	Aug. 31, 1875	1089	342	8	385
170, 327	Same. Elevator.	Aug. 31, 1875	1090	342	8	386
162, 006	Same. Bucket-wheel for rotary engines.	Nov. 23, 1875	1009	313	8	889
164, 128	Babbitt, S. William, assignor to Wilcox Silver Plate Company, West Meriden, Conn. Toilet-caster.	Nov. 23, 1875	1001	314	8	890
169, 224	Babbitt, S. William, West Meriden, Conn. Sirup-pitcher. Babbitt, S. William, and Henry B. Beach, assignors to Wilcox Silver Plate Company, West Meriden, Conn. Spoon-holder.	Apr. 13, 1875	373	125	7	632
163, 349	Babcock, Charles A. (See Washburn, Pliny E., assignor.) Babcock, George H. (See Denio & Babcock). (Reissue.) Babcock, Henry C., and Louis M. Morrison, Bennington, Vt. Metallic counter-support for boots and shoes.	June 8, 1875	277	95	7	979
6, 743	Babcock, Jabez K., Phelps, N. Y., assignor to Hartford Pump Company. Windmill. (Reissue.)	Oct. 26, 1875	820	286	8	712
164, 899	Babcock, Jabez K., Phelps, N. Y. Heating-stove.	May 18, 1875	608	194	7	850
171, 079	Babcock, James F., assignor of one-half interest to Flavius O. Beal, Bangor, Me. Device for cooling and ventilating railway-cars. Babcock Manufacturing Company. (See Kley & Higgins, assignors.) Babcock, Nathan, et al. (See Firm, Joseph L., assignor). (Reissue.)	Nov. 16, 1875	820	258	8	857
158, 454	Babcock, Sylvester P., Adrain, Mich. Saw-clamp.	June 29, 1875	1026	331	7	1103
167, 148	Babcock, William E., East Pembroke, N. Y. Potato-digger.	Dec. 14, 1875	400	133	8	1011
170, 043	Babcock, William H., Homer, N. Y. Combined blotter and paper weight.	Jan. 5, 1875	90	31	7	22
158, 455	Babson, John, Boston, Mass., and John E. Mulford, New York, N. Y. Fire-shield.	Aug. 31, 1875	1097	301	8	369
164, 900	Bach, Jacques. (See Kranich & Bach.)	Nov. 16, 1875	710	225	8	843
161, 251	Bach, Nicolas S., and Martin P. Bery, Boston, Mass. Reed organ. Bachelder, John, Gardiner, Me. Machine for cutting bungs. Bachman, S. C. (See McCrosson, William, assignor.) Bachrach, David. (See Levy & Bachrach.)	Jan. 5, 1875	90	31	7	22
164, 129	Backer, Henry, Union Hill, N. J. Running-gear.	June 29, 1875	1027	331	7	1103
169, 400	Bachofen, Frederick, assignor to self and Isaac H. Williams, Williamsburgh, N. Y. Curtain-fixture.	June 8, 1875	277	95	7	979
171, 256	Bachus, Oscar J., Newark, N. J. Centrifugal water-wheel.	Nov. 2, 1875	75	23	8	745
171, 339	Same. Machinist's oiler.	Dec. 21, 1875	599	196	8	1045
160, 994	Bachus, William H., Boston, Mass. Paper toy.	Dec. 21, 1875	670	221	8	1054
166, 741	Bacon, Charles R., and Lentholt C. Brown, assignors to Cornell Watch Company, San Francisco, Cal. Safety centre-pinion for watches.	Mar. 23, 1875	699	230	7	471
161, 688	Bacon, Elisha, South Avon, N. Y. Lamp-stand.	Aug. 17, 1875	550	168	8	293
170, 462	Bacon, Henri E., et al. (See Vanstone, Samuel, assignor.)	Mar. 23, 1875	783	{ 257 258 }	{ 7 7 }	482
170, 989	Badger, George W., assignor to George P. Cox, Malden, Mass. Boot-tree.	Nov. 30, 1875	1137	358	8	917
170, 044	Same. Boring-machine.	Dec. 14, 1875	312	104	8	999
165, 466	Badger, John, Belvidere, Ill. Horse-rake. Baer, Daniel W., assignor to William T. Millor, Richland Centre, Wis. Metal-punching machine. Baer, John H. (See Lefferts, John W., assignor.)	Nov. 16, 1875	711	226	8	843
		July 13, 1875	340	99	8	62



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158, 352	Bagley, Henry, Mechanicsville, Iowa. Corn-planter.....	Jan. 5, 1875	2	1	7	9
167, 149	Bahruth, John, Liberty Prairie, Ill. Dropper for barvesters.....	Aug. 31, 1875	968	301	8	369
167, 727	Baile, Charles P., New Windsor, Md. Dov tailing-machine.....	Sept. 14, 1875	318	102	8	458
170, 463	Bailey, Alfred M., Middlefield, Conn. Milking-pail.....	Nov. 30, 1875	1138	358	8	917
164, 791	Bailey, Charles A., Cobalt, Conn. Toy.....	June 22, 1875	901	293	7	1060
164, 509	Bailey, Cleon, assignor to self, T. A. Harvey, and James P. Bryan, Kinston, N. C. Fertilizer-distributer.....	June 15, 1875	642	208	7	1036
160, 139	Bailey, Daniel C. (See Halsey, Edward, assignor.) Bailey, David C., South Salem, Ohio. Churn.....	Feb. 23, 1875	867	286	7	324
164, 359	Bailey, Dexter S., Dover, Me. Elevator.....	June 15, 1875	507	167	7	1019
168, 599	Bailey, George C., Pittsburgh, Pa. Hydrant.....	Oct. 11, 1875	282	91	8	611
161, 089	Bailey, George L., Portland, Me. Machine for rounding and backing books.....	Mar. 23, 1875	784	258 259	7	482
165, 052	Bailey, George W. (See Long, Aaron, assignor.) Bailey, Gilbert S., Chicago, Ill., and Harris Pool, Monroe, Wis. Car-starter.....	June 29, 1875	1157	373	7	1120
6, 743	Bailey, Hamilton, Harrisburgh, Pa. Dumping-wagon..... (Reissue.)	Dec. 7, 1875	240	84	8	953
161, 090	Bailey, Harry J., Pittsburgh, Pa. Air-compressing apparatus.....	Mar. 23, 1875	788	259	7	482
167, 817	Same..... Shower and bath cock.....	Sept. 21, 1875	417	133	8	481
166, 180	Bailey, Henry, New York, N. Y. Fire-tube for steam-boilers.....	Aug. 3, 1875	1	1	8	199
165, 053	Bailey, James, Farmington, Me. Fruit-picker.....	June 29, 1875	1158	373	7	1120
169, 670	Bailey, John. (See Ewart, John, assignor.) Bailey, John H., Toledo, Iowa. Anti-sucking bit for calves, &c.....	Nov. 9, 1875	349	110	8	788
161, 924	Bailey, John J., New York, N. Y. Velocipede.....	Apr. 13, 1875	308	103	7	624
6, 498	Bailey, Leonard, (See Miller & Bailey.) Bailey, Leonard, New Britain, Conn. Bench-plane..... (Reissue.)	June 22, 1875	1013	327	7	1093
170, 930	Same..... Safety rein-hold.....	Dec. 14, 1875	261	87	8	993
162, 598	Bailey, Otis G., et al. (See Matteson, Elisha, assignor.) Bailey, Ralph V. and Thomas B., Mendota, Ill. Pump-valve.....	Apr. 27, 1875	952	306	7	720
162, 138	Bailey, Samuel R., Bath, Me., assignor to Edward A. Gillett, Boston, Mass., and Oscar S. Gillett, Buffalo, N. Y. Bending wood.....	Apr. 20, 1875	510	168	7	657
170, 981	Bailey, Samuel R., assignor to Edward A. Gillett, Boston, Mass., and Oscar S. Gillett, Buffalo, N. Y. Wood-bending machinery.....	Dec. 14, 1875	314	104	8	999
8, 257	Bailey, Thomas A., Philadelphia, Pa. Toy money-box..... (Design.)	Apr. 6, 1875			7	564
162, 880	Bailey, Thomas B. (See Bailey, Ralph V. and Thomas B.) Bailey Tool Company. (See Williams, David F., assignor.) Bailey Washing and Wringing Machine Company. (See Allender, John).... (Reissue.) Bailey Wringing Machine Company. (See Wiswall, Samuel, assignor)..... (Reissue.)	May 4, 1875	130	43	7	764
167, 868	Baile, William L., Baltimore, Md. Soldering-machine.....	Sept. 21, 1875	465	147	8	488
8, 200	Baily, Miffin W., assignor to self and R. J. Baldwin, Potsttown, Pa. Heater.....	Nov. 9, 1875			7	387
163, 625	Bainbridge, Henry C., Brooklyn, N. Y. Writing-paper..... (Design.)	Nov. 9, 1875			7	387
167, 970	Baird & Riley. (See Riley, Isaac, assignor.) Baird, Ariette, Riverhead, N. Y. Combined baby tender and crib.....	May 25, 1875	874	275	7	892
159, 142	Baird, David W., Geneva, N. Y. Hub-band.....	Sept. 21, 1875	541	174	8	500
169, 612	Baird, George W., U. S. N., and Jos. C. Lewis, Washington, D. C. Pneumatic steering apparatus for ships.....	Jan. 26, 1875	774	254	7	152
169, 333	Baird, James, Allegheny, Pa. Machine for bending chain-links.....	Nov. 9, 1875	289	93	8	781
159, 740	Baird, Samuel J., Richmond, Va. Button-holing attachment for sewing-machines.....	Nov. 2, 1875	7	2	8	735
160, 294	Bake, Cyrus F., Young America, Ill. Car-coupling.....	Feb. 16, 1875	486	164	7	265
168, 079	Baker, Albert, Westfield, Pa. Addressing-machine.....	Mar. 2, 1875	33	13	7	353
161, 853	Baker, Albert S., Somerville, Mass. Earring.....	Sept. 28, 1875	671	213	8	525
164, 412	Baker Brothers & Co. (See Langwell, William, assignor.) Baker, Charles E. (See Schofield, Socrates, assignor.) Baker, Charles R., East Cambridge, Mass. Mode for arranging bristles for brushes.....	June 15, 1875	559	182	7	1025
168, 363	Same..... Paint-brush.....	Oct. 5, 1875	40	15	8	570
163, 836	Baker, David, assignor of one-half interest to Willard I. Humphrey, Boston, Mass. Mariner's compass.....	June 1, 1875	1	1	7	931
163, 837	Same..... same.....	June 1, 1875	2	1	7	931
163, 838	Same..... same.....	June 1, 1875	3	1	7	931
163, 839	Same..... same.....	June 1, 1875	4	2	7	931
163, 840	Same..... same.....	June 1, 1875	5		7	931
162, 881	Baker, D. Howard, Boston, Mass. Bill-file.....	May 4, 1875	131	43	7	764
165, 527	Baker, George W., Wilmington, Del. Cracker-machine.....	July 13, 1875	391	117	8	70
170, 802	Baker, Halsey H., Plainfield, N. J. Cutter-head for planing-machines.....	Dec. 7, 1875	134	44	8	968
165, 699	Baker, Harrison J., Chicago, Ill. Piano-forte case.....	July 20, 1875	563	172	8	110
8, 373	Baker, Hayden M. (See Holliday & Baker.) Baker, Horace Z., Providence, R. I. Newspaper-rack..... (Design.)	June 8, 1875			7	968
168, 123	Baker, James C., Corry, Pa. Churn.....	Sept. 28, 1875	719	226	8	530
8, 820	Baker, James H., et al. (See Harwood, George D., assignor.) Baker, John G., assignor to Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Toy money-box..... (Design.)	Dec. 7, 1875			8	945
162, 007	Baker, John G., assignor to Enterprise Manufacturing Company, Philadelphia, Pa. Cutting instrument.....	Apr. 13, 1875	373	125	7	632
162, 008	Same..... Manufacture of iron mill-burrs.....	Apr. 13, 1875	374	125	7	632
162, 009	Same..... Carriage-jack.....	Apr. 13, 1875	375	126	7	632
171, 080	Baker, Jonathan D., Burlington, Vt. Machine for pressing tamponc.....	Dec. 14, 1875	401	133	8	1011
161, 586	Baker, Lewis I., Minneapolis, Minn. Car-coupling.....	Apr. 6, 1875	1	1	7	569
6, 263	Baker, Loring J., Boston, Mass., assignor to Hezekiah Bradford. Sash-holder..... (Reissue.) Baker, Nathad T., et al. (See Rawson, George W., assignor.)	Feb. 2, 1875	235	77	7	217
160, 295	Baker, Owen T., Wamego, Kans. Car-coupling.....	Mar. 2, 1875	34	13	7	353
162, 236	Baker, Owen T., assignor of one-half interest to Oscar M. Gay, Wamego, Kans. Car-coupling.....	Apr. 20, 1875	688	221	7	679
162, 337	Same..... Wagon-brake.....	Apr. 20, 1875	689	224	7	679
163, 135	Same..... Scales.....	May 11, 1875	386	125	7	805
171, 340	Same..... Wagon-brake.....	Dec. 21, 1875	670	221	8	1054
166, 580	Baker, Seth W., Providence, R. I. Water-proof hose.....	Aug. 10, 1875	379	117	8	261
169, 760	Same..... same.....	Nov. 9, 1875	447	141	8	891
170, 803	Same..... Hydraulic hose.....	Dec. 7, 1875	135	45	8	865
165, 781	Baker, Thomas F., Saint Louis, Mo. Iron mantel.....	July 20, 1875	636	195	8	121
165, 700	Baker, William C., New York, N. Y. Electric boiler alarm and register.....	July 20, 1875	564	172	8	110
167, 211	Same..... Valve for steam-radiators.....	Aug. 31, 1875	1023	318	8	376
167, 293	Baker, William H., Lisle, N. Y. Brech-loading fire-arm.....	Aug. 31, 1875	1091	342	8	386
159, 112	Baker, William R. (See McCormick & Baker.) Baker, William E., Chicago, Ill. Meter.....	Jan. 26, 1875	774	254	7	152

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. et	Vol.	Page.
170, 894	Baker, William R., assignor to C. H. and L. J. McCormick, Chicago, Ill. Sway-bar guide for harvesters.	Dec. 7, 1875	136	45	8	969
	Bakewell & Co., Allan C. (See Frey, James H., assignor.)					
159, 062	Bakewell, Benjamin, jr., Pittsburgh, Pa. Glass-mold	Jan. 26, 1875	704	231	7	143
170, 464	Same. Mold for glassware	Nov. 30, 1875	1139	339	8	917
163, 909	Balcom, Varnum, Boston, Mass. Extension bird-cage hook	June 1, 1875	60	20	7	938
159, 378	Baldwin, Augustine, assignor to Compressing Company, New York, N. Y. Method of fastening cotton-bales.	Feb. 2, 1875	122	43	7	201
162, 262	Baldwin, Cyrus W., Chicago, Ill. Hydraulic elevator	Apr. 23, 1875	623	203	7	671
159, 063	Baldwin, David, Midland Park, N. J. Motor for light machinery	Jan. 26, 1875	705	232	7	143
164, 792	Baldwin, Edgar A., Phelps County, and Clifford A. Holcombe, Lincoln, Nebr. Process of tanning hides	June 22, 1875	902		7	1080
159, 244	Baldwin, Frank S., Saint Louis, Mo. Calculating-machine	Feb. 2, 1875	1	1	7	185
165, 654	Baldwin, Frank S., Philadelphia, Pa. Measuring-bottle	June 29, 1875	1159	373	7	1120
	Baldwin, George. (See Davis, John E., assignor.)					
	Baldwin, George. (See Golden, Johnston, assignor.)					
	Baldwin, Frederick A. (See Hyde, James P., assignor.)					
	Baldwin, Frederick A. R., et al. (See La Rue, Silas H., assignor.)					
165, 147	Baldwin, Horace, Philadelphia, Pa. Advertising medium	July 6, 1875	1	1	8	6
168, 124	Baldwin, Hiram, Nashua, N. H. Folding table	Sept. 28, 1875	720	227	8	531
	Baldwin, John F. (See Umstead, William Q., assignor.)					
163, 292	Baldwin, Oren, Keokuk, Iowa. Washing-machine	May 18, 1875	552	177	7	843
166, 840	Baldwin, Ranson G., Leighton, Iowa. Apparatus for charging drill-holes.	Aug. 17, 1875	633	197	8	306
	Baldwin, R. J. (See Baily, Miffin W., assignor.)					
168, 551	Baldwin, Silas D., Chicago, Ill. Gas-governor	Oct. 11, 1875	234	77	8	605
167, 728	Baldwin, Stephen W., Yonkers, N. Y. Manufacture of boot and shoe heels	Sept. 14, 1875	319	102	8	459
161, 375	Baldwin, William, Tioga, Pa. Combination-lock	Mar. 30, 1875	1077	349	7	527
	Baldwin, William D. (See Evans, William W., assignor.)					
163, 442	Baldwin, William W., Cleveland, Ohio. Magazine-stove	May 18, 1875	684	218	7	860
165, 198	Balentine, David F., Mount Gallagher, S. C. Seed-planter and fertilizer-distributor	July 6, 1875	56	16	8	16
162, 263	Balestrieri, Pasquale, Rome, Italy. Apparatus for collecting the rays of light and heat	Apr. 20, 1875	625	204	7	671
163, 963	Balkema, Edward, La Fayette, Ind. Wagon-axle	June 1, 1875	102	35	7	945
	Ball, Braiuard T. (See Ball, Frank H., assignor.)					
	Ball, Charles E. (See Voltair & Ball.)					
159, 379	Ball, Charles E., Philadelphia, Pa. Hat-irons	Feb. 2, 1875	123	43	7	201
167, 150	Same. Vapor-burner	Aug. 31, 1875	969	301	8	369
159, 557	Ball, Charles E., and S. Lloyd Wiegand, assignors to James W. Carson, Philadelphia, Pa. Argand gas-burner	Feb. 9, 1875	312	101	7	235
161, 091	Ball, Charles E., assignor to James W. Carson, Philadelphia, Pa. Gas-burner	Mar. 23, 1875	792	259	7	483
171, 081	Ball, Charles E., Philadelphia, Pa., assignor to C. S. Bradford, jr. Lamp	Dec. 14, 1875	402	133	8	1011
169, 133	Ball, Clinton M. and John C., Troy, N. Y. Shirt	Oct. 26, 1875	803	260	8	701
167, 971	Ball, Ephraim, assignor to Clarksville Iron Works Manufacturing Company, Clarksville, Tenn. Vehicle-wheel	Sept. 21, 1875	542	174	8	500
168, 208	Same. Vehicle-wheel	Sept. 28, 1875	796	253	8	542
168, 209	Same. Vehicle-wheel	Sept. 28, 1875	797	253	8	542
168, 210	Same. Vehicle-hub	Sept. 28, 1875	797	253	8	542
164, 214	Same. Vehicle-wheel tire	Sept. 28, 1875	798	254	8	542
161, 195	Ball, Frank H., Foxburgh, Pa., assignor to Brainard T. Ball, Buffalo, N. Y. Valve-gear	Mar. 23, 1875	880	289	7	495
	Ball, George M. (See Chase & Ball.)					
6, 324	Ball, James, Brooklyn, N. Y., assignor to Samuel Rayner & Co. and John Q. Preble. Machine for cutting paper or other materials. (Reissue)	Mar. 9, 1875	454	150	8	422
6, 540	Ball, James, Brooklyn, N. Y., assignor to Samuel Rayner & Co. Envelope-machine. (Reissue)	July 13, 1875	511	156 } 157 }	8	87
6, 621	Ball, James, Brooklyn, N. Y., assignor, by mesne assignments, to Samuel Rayner & Co. and John Q. Preble. Sheet for cutting out irregular articles. (Reissue)	Aug. 31, 1875	1171	369	8	537
	Ball, John C. (See Ball, Clinton M. and John C.)					
162, 338	Ball, Phineas, Worcester, Mass. Stop-cock	Apr. 20, 1875	689	225	7	697
164, 510	Same. Water-filter	June 15, 1875	642	208	7	1036
160, 379	Ball, Phineas and Beniah Fitts, assignors to Union Water Meter Company, Worcester, Mass. Water-meter	Mar. 2, 1875	107	39	7	364
163, 720	Same. Pressure-regulator with safety-valve	May 25, 1875	950	302	7	902
163, 721	Same. Pressure-regulator with dash-pot	May 25, 1875	952	302	7	902
167, 972	Ball, Robert C., Oakland, Cal. Wash-stand and water-closet combined	Sept. 21, 1875	542	174	8	500
160, 296	Ball, Robert R., West Meriden, Conn. Stove-pipe coupling	Mar. 2, 1875	35	13	7	354
160, 297	Same. Stove-lid lifter	Mar. 2, 1875	36	14	7	354
164, 709	Ball, William, New Vienna, Ohio. Construction of canal-boats	June 22, 1875	633	271	7	1071
159, 785	Ballantine, Alexander T., Titusville, Pa. Door-spring	Feb. 16, 1875	530	177	7	270
6, 333	Ballard, Achilles, Dublin, Ind., assignor, by mesne assignments, to Leopold Cohn. Shoe. (Reissue)	Mar. 16, 1875	687	226	7	461
171, 544	Ballard, Alfred W., and Dian B. Wirt, Macon, Mo. Feather-renovator	Dec. 28, 1875	878	287	8	1091
	Ballentine, Elizabeth. (See Ballentine, George H., assignor.)					
167, 973	Ballentine, George H., assignor to Elizabeth Ballentine, Philadelphia, Pa. Construction of walls	Sept. 21, 1875	544	175	8	500
171, 257	Ballinger, Libanus, Trenton, Mo. Marking-stamp	Dec. 21, 1875	600	196	8	1045
158, 456	Ballou, Cyrus C., Albany, assignor to East New York Boot, Shoe, and Leather Manufacturing Company, New York, N. Y. Heel-trimming machine	Jan. 5, 1875	91	31	7	22
	Ballou, Francis D., Abington, Mass. Mechanism for boot and shoe sewing-machines. (Extension)	Jan. 21, 1875				7 222
34, 203	Same. Same. (Disclaimer filed)	Jan. 12, 1875				7 222
158, 882	Same. Die for fanning soles for boots and shoes	Jan. 19, 1875	507	170	7	110
158, 883	Same. Wax-thread sewing-machine	Jan. 19, 1875	508	170	7	110
167, 424	Same. Manufacture of shoe-pegs	Sept. 7, 1875	44	12	8	412
167, 974	Ballou, George F., Pawtucket, R. I., assignor to Henry N. Fisher and John E. Whitecomb, Waltham, Mass. Slide-rest for metal-turning lathes	Sept. 21, 1875	514	175	8	500
171, 082	Ballou, George F., Boston, assignor to Henry N. Fisher and John E. Whitecomb, Waltham, Mass. Chuck and centerer	Dec. 14, 1875	403	133	8	1011
	Ballou, E. A. (See Ashcroft, Edward H., assignor) (Reissue)					
160, 504	Balmforth, Virginia V., assignor of one-half interest to M. P. Benton, Oakland, Cal. Button-hole easing	Mar. 9, 1875	237	81	7	391
169, 613	Balsley, John H., Dayton, Ohio. Adjustable table-leg	Nov. 9, 1875	290	93	8	781
167, 632	Baltes, Michel, Frausville, Wis. Farmers' tool	Sept. 14, 1875	338	74	8	446
162, 339	Baltz, Henry W., sr., Philadelphia, Pa. Car-starter	Apr. 20, 1875	692	225	7	671
167, 151	Baltzy, Henry H., Assumption, Ill. Hand-truck	Aug. 31, 1875	970	301 } 302 }	8	369
164, 069	Bancroft, Jonas H., Boston, Mass. Elevator	June 8, 1875	225	79	7	973

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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170, 329	Bancroft, Joseph W., and Thomas Walker, Philadelphia, Pa. Amalgamator	Nov. 23, 1875	1001	314	8	890
169, 761	Bancroft, Lafayette, Springfield, Ohio. Manufacture of stove-pipes	Nov. 9, 1875	448	141	8	801
168, 660	Bango, John H., Edwardsville, Ill. Road-engine	Oct. 11, 1875	283	92	8	611
159, 064	Banigan, Joseph. (See Miller, Wesley, assignor.)					
163, 293	Banker, George W., New York, N. Y. Barrel	Jan. 26, 1875	705	232	7	143
	Same. Faucet for oil-cans	May 18, 1875	552	177	7	843
158, 884	Banks, Rebecca. (See Banks, William C., assignor.)					
	Banks, William C., assignor to Rebecca Banks, Como, Miss. Hay and cotton press	Jan. 19, 1875	509	{ 170 171	} 7	110
	Bannen, Peter L. (See Hyams, Hyam J., assignor.)					
158, 353	Banning, Elmore E., Rochester Depot, Ohio. Lifting-jack	Jan. 5, 1875	3	1	7	9
158, 717	Bannister, Burr, John C. Perkins, and William H. Stoddard, Kalamazoo, Mich. Elastic clamp for polishing and grinding wheels	Jan. 12, 1875	251	85	7	59
162, 010	Bannister, Burr, Kalamazoo, Mich. Elastic arbor	Apr. 13, 1875	375	126	7	632
164, 793	Bañolas, Ramon, Madrid, Spain. Railway-track	June 22, 1875	902	293	7	1080
167, 294	Same. Car-truck	Aug. 31, 1875	1092	343	8	386
160, 995	Barager, Charles F., Waverlytown, N. Y. Coal-hod	Mar. 23, 1875	700	230	7	471
161, 732	Barbarick, John H., Casco, Me. Slate-frame	Apr. 6, 1875	124	43	7	586
170, 657	Barber, Fernando C., Oxford, Mich. Saw-set	Dec. 7, 1875	4	1	8	951
165, 528	Barber, Henry A., Watertown, N. Y. Rotary pump	July 13, 1875	392	118	8	70
	Barber, Samuel B. (See Cowman & Barber.)					
163, 350	Barber, William, Capo Vincent, assignor to self and Lewis Parker, Lyme, N. Y. Machine for sawing staves	May 18, 1875	608	194	7	850
162, 139	Barber, William C., and George Amis, Knowlesville, N. Y. Bean-harvester	Apr. 20, 1875	510	168	7	657
163, 722	Barber, Willard J., Willimantic, Conn. Bronzing-machine	May 25, 1875	954	302	7	902
167, 729	Barberot, Emile, Paris, France, assignor to Joseph Reckendorfer, New York, N. Y. Pen-holder	Sept. 14, 1875	321	102	8	459
168, 080	Barbour, Edmund D., Boston, Mass. Calculating-machine	Sept. 28, 1875	672	214	8	525
	Barbour, Pollock. (See Davis, Stephen S., assignor.)					
165, 055	Barbour, Stephen M., and Frank A. Page, Philadelphia, Pa.; said Page assignor to said Barbour. Telegraph-wire coupling	June 29, 1875	1160	373	7	1120
162, 705	Barcellas, Daniel, Brooklyn, N. Y. Lamp-bracket	Oct. 11, 1875	376	123	8	626
	Barckhan, J. E. G. (See Horbort, William, assignor.)					
168, 552	Barclay, George, and James Kennedy, Oshawa, Canada. Horse hay-rake	Oct. 11, 1875	235	77	8	605
162, 553	Same. same	Oct. 11, 1875	236	78	8	605
8, 594	Barclay, Thomas, assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet (Design)	Sept. 7, 1875				8 403
8, 595	Same. same. (Design)	Sept. 7, 1875				8 403
	Barclay, William H., et al. (See Berryman, Bayard A., assignor.)					
	Bardell, Alfred. (See Edgar & Bardell.)					
166, 181	Barden, James L., and Samuel Crudden, Hamilton, Ohio. Rotary churn	Aug. 3, 1875	1	1	8	199
	Barfoot, Mary E. (See Denman & Barfoot.)					
171, 083	Bargar, Joseph H., Baltimore, Md. Railway-signal	Dec. 14, 1875	404	134	8	1011
8, 578	Barinds, Simeon L., Memphis, Tenn. Fan. (Case A. Design)	Aug. 24, 1875				8 322
8, 579	Same. same. (Case B. Design)	Aug. 24, 1875				8 322
8, 580	Same. same. (Case C. Design)	Aug. 24, 1875				8 322
	Barker, Abel. (See Barker, Samuel G. and Abel.)					
162, 340	Barker, Abel, Wyoming, Pa. Car-brake	Apr. 20, 1875	693	225	7	679
166, 493	Same. Lamp-burner	Aug. 10, 1875	310	93	8	250
162, 517	Barker, Amos, Nebraska City, Nebr. Horse-detacher	Apr. 27, 1875	885	283	7	712
	Barker & Brothers, J., et al. (See Barker, Benjamin F., assignor.)					
160, 966	Barker, Benjamin F., Curtisville, Mass. Machine for grinding wood for paper-pulp	Mar. 23, 1875	700	231	7	471
166, 447	Barker, Benjamin F., Curtisville, assignor to self and J. Barker & Brothers, Pittsfield, Mass., and George W. Williams, Hartford, Conn. Machine for molding paper-pulp	Aug. 10, 1875	271	81	8	245
163, 566	Barker, Clarence F., North Belfast, Me. Label-holder	May 25, 1875	818	259	7	885
160, 743	Barker, Cyrus J., Lewiston, Me. Machine for washing goods in the piece	Mar. 16, 1875	466	153	7	431
	Barker, E. G., et al. (See Wroth, Alfred B., assignor.)					
	Barker, Elisha G. (See Roth & Barker.)					
170, 465	Barker, Erastus B., assignor to E. & H. T. Anthony & Co., New York, N. Y. Camera	Nov. 30, 1875	1139	359	8	917
	Barker, Ezekiel W. (See Cook & Barker.)					
161, 733	Barker, Gardner T., Pittsfield, Mass. Camp-lounge	Apr. 6, 1875	124	43	7	586
162, 126	Same. Pillow	Sept. 28, 1875	721	227	8	531
162, 264	Barker, George E., Waverly, N. Y. Air-pump	Apr. 20, 1875	627	204	7	671
160, 072	Barker, George E., assignor of one-half interest to Lester D. Stone, Waverly, N. Y. Fire-extinguisher	Feb. 23, 1875	814	267	7	315
170, 609	Same. Fire-engine	Dec. 7, 1875	42	13	8	956
	Barker, George W., et al. (See Hussey, Marcus L. M., assignor.)					
159, 742	Barker, James, assignor to Merrill A. and Charles A. Furbush, Philadelphia, Pa. Doffing mechanism for carding-machines	Feb. 16, 1875	490	164	7	265
165, 148	Barker, John F., Springfield, Mass. Condensing-engine	July 6, 1875	2	1	8	9
	Barker, John M. (See Prescott, Samuel A., assignor.)					
	Barker, Joseph H. (See Kelly, John, assignor.)					
168, 958	Barker, Samuel G., Scranton, and Abel Barker, Wyoming, Pa.; said Samuel G. assignor to said Abel Barker. Lock-nut	Oct. 19, 1875	614	204	8	668
159, 741	Barker, Volney, Otisfield, Me. Green-corn cutter	Feb. 16, 1875	489	164	7	265
	Barker, William. (See Wren & Barker.) (Reissue.)					
6, 531	Barker, William C., Millport, N. Y. Bucket for chain-pumps	July 6, 1875	254	76	8	43
162, 790	Barlow, Charles B., Portsmouth, N. H., assignor of one-half interest to John I. Slaver, Belleville, Canada. Street-railway switch	May 4, 1875	52	17	7	753
153, 885	Barlow, Joseph C., assignor to Vandiver Corn Planter Company, Quincy, Ill. Wheel-scraper for planters	Jan. 19, 1875	510	171	7	110
162, 599	Same. Seeding-machine	Apr. 27, 1875	953	306	7	721
171, 209	Barnard, Alanson, assignor to self, William H. Settle, and Joseph Messenger, Cincinnati, Ohio. Water-proof compound	Dec. 21, 1875	555		8	1039
	Barnard, Andrew B. (See Nye, Sherman R., assignor.) (Reissue.)					
106, 762	Barnard, Andrew B., Worcester, Mass. Mangle	Nov. 9, 1875	449	142	8	801
166, 492	Barnard, Andrew J., Camden, N. J. Hose spanner and key	Aug. 10, 1875	309	93	8	251
168, 127	Barnard, Charles S. W., Meriden, Conn. Means for attaching mast-hoops to sails	Sept. 28, 1875	722	228	8	531
	Barnard, Horace. (See Averill, Edward W., assignor.)					
	Same. (See Goddu, Louis, assignor.)					
165, 912	Barnard, William H., Sedalia, Mo. Lamp-chimney	July 27, 1875	780	239	8	153
169, 825	Barnecott, John E., Westchester, N. Y. Side-bar wagon	Nov. 16, 1875	581	150	8	825
168, 960	Barnes, Ambrose E., New York, N. Y. Nursery-chair	Oct. 19, 1875	616	205	8	668
166, 581	Barnes, Edward W., Syracuse, N. Y. Faucet	Aug. 10, 1875	379	117	8	261
159, 882	Barnes, Edwin L., Boston, Mass. Spirit-level	Feb. 16, 1875	620	205	7	282

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	Barnes, Elmore A. (See Binns & Barnes.)					
	Barnes, Frances A. (See Mulberry, James C., assignor.)					
160, 608	Barnes, George H., Baltimore, Md. Stump-elevator	Mar. 16, 1875	534	173	7	439
167, 052	Barnes, Harlan P., Bristol, Ill. Wire-fence tightener	Aug. 24, 1875	850	265	8	345
167, 425	Barnes, Henry H., Brooklyn, N. Y. Refrigerator	Sept. 7, 1875	44	13	8	412
	Barnes, Jackson. (See Johnson & Barnes.)					
	Barnes, John. (See Barnes, William F., assignor.)					
	Same.....(See Barnes, William F. and John).....(Reissue.)					
168, 959	Barnes, John, assignor of one-half interest to Ralph Emerson and William A. Talcott, Rockford, Ill. Harvester-rake	Oct. 19, 1875	615	204	8	608
165, 913	Barnes, Joseph C., assignor to Van Wormer & McGarvey, Albany, N. Y. Oven-door for stoves	July 27, 1875	780	239	8	153
158, 564	Barnes, Joshua, Brooklyn, N. Y. Medicine-dropper	Jan. 12, 1875	202	69	7	53
167, 975	Barnes, Joshua B., Fort Wayne, Ind. Hydraulic punch	Sept. 21, 1875	545	{ 175 176 }	8	500
6, 671	Barnes, Josiah R., Elizabeth, N. J. Washing-machine.....(Reissue.)	Oct. 5, 1875	213	69	8	594
161, 854	Same.....same	Apr. 13, 1875	940	80	7	615
158, 565	Barnes, Merrick M., Boston, Mass. Presser-roller for sewing-machines	Jan. 12, 1875	203	69	7	53
162, 737	Same.....Take-up and thread-controller for sewing-machines	May 4, 1875	2	1	7	747
162, 600	Barnes, Oramel C., Champaign, Ill. Machine for making glue-joints	Apr. 27, 1875	955	307	7	721
171, 497	Barnes, Richard W., Brooklyn, N. Y. Combined letter-sheet and envelope	Dec. 28, 1875	837	274	8	1085
6, 674	Barnes, William F., assignor of one-half interest to John Barnes, Rockford, Ill. Device for converting motion.....(Reissue.)	Oct. 5, 1875	217	70	8	595
164, 414	Barnes, William F. and John, Rockford, Ill. Mechanical movement	June 15, 1875	561	182	7	1025
164, 413	Same.....same	June 15, 1875	560	182	7	1025
159, 380	Barnes, William J., Pittsburgh, Pa. Movable cabinet for safes	Feb. 2, 1875	124	43	7	201
171, 545	Barnes, Wilson, Maquoketa, Iowa. Pump	Dec. 28, 1875	878	287	8	1091
158, 824	Barnet, Ephraim, and William H. Garrett, New Concord, Ohio. Egg-carrier	Jan. 19, 1875	156	152	7	103
	Barnett, James. (See Newton, Mary, assignor.)					
	Barnes, Fayette. (See Bishop & Sherman, assignors.)					
	Barnes, Samuel E., et al. (See Crosby, Chauncey O., assignor.)					
166, 448	Barnum, Nelson, Chicago, Ill. Holder for sewing-machine quilting attachments	Aug. 10, 1875	273	81	8	245
	Baron, Alfred L. (See Baron, Charles S. S. and Alfred L.)					
163, 135	Baron, Charles S. S. and Alfred L., Belaire, Ohio. Lantern	May 11, 1875	387	125	7	805
162, 011	Barr, Daniel W., Reading, Pa. Fastener for doors and shutters	Apr. 13, 1875	376	126	7	632
170, 506	Barr, Robert S., assignor of two-thirds interest to William and William H. Stringer, Munnsville, N. Y. Heating-stove	Nov. 30, 1875	1176	372	8	922
160, 253	Barracough, Edward, and Timothy Pritchard, Brooklyn, N. Y. Fifth-wheel	Mar. 2, 1875	2	1	7	349
165, 467	Barrett, John, assignor of one-half interest to Joseph H. Hiller, Boonton, N. J. Apparatus for tapping barrels or casks of fermented liquors	July 13, 1875	340	100	8	63
8, 273	Barrett, Joseph, New York, N. Y., assignor to Samuel W. Dunn. Oil-cloth.....(Design.)	Apr. 20, 1875			7	651
8, 674	Barrett, Joseph, New York, N. Y., assignor to Richard H. and Benjamin C. Reeve, Camden, N. J. Floor oil-cloth.....(Design.)	Oct. 5, 1875			8	560
8, 747	Barrett, Joseph, New York, N. Y., assignor to Roxbury Carpet Company, Boston, Mass. Carpet.....(Design.)	Oct. 26, 1875			8	689
8, 770	Same.....same.....(Design.)	Nov. 9, 1875			8	776
	Barrett, Thomas. (See Farnsworth & Barrett.)					
167, 053	Barrie, Samuel S., Rutherford Park, N. J. Mode of attaching lamp-bowls and other glass articles to pedestals	Aug. 24, 1875	851	265	8	345
162, 455	Barringer, John H., assignor to M. J. Cassell, Lincoln, Nebr. Curry-comb	Apr. 27, 1875	830	267	7	705
	Barrow, John. (See Green & Barrow.)					
169, 614	Barrow, Thomas E., Mansfield, Ohio. Friction-clutch	Nov. 9, 1875	291	94	8	781
159, 491	Barrowclough, Edward, Chester, Pa. Nut or collar lock	Feb. 9, 1875	249	81	7	227
8, 785	Barrows & Boyd. (See Thackerey, Charles, assignor.)					
163, 443	Barrows, Edward E., Attleborough, Mass. Watch-chain link.....(Design.)	Nov. 9, 1875			8	777
164, 443	Barrows, Ira, Gouverneur, N. Y. Milk-cooler	May 18, 1875	685	{ 218 219 }	7	860
162, 012	Barrows, William H., Iron Hills, Iowa. Wagon-brake	Apr. 13, 1875	376	126	7	633
166, 841	Barry, Job R., assignor of one-half interest to William R. Jerome, Philadelphia, Pa. Cushion-cleaning machine	Aug. 17, 1875	633	197	8	307
8, 211	Barsclotti, Domenico, and Venanzio Alluisi, New York, N. Y. Statue.....(Design.)	Mar. 23, 1875			7	466
158, 566	Barstow, Percival H., Trenton, N. J. Shoe-nailing machine	Jan. 12, 1875	204	70	7	58
160, 073	Barstels, Emil, New York, N. Y. Adjustable reclining-lounge	Feb. 23, 1875	815	267	7	316
162, 140	Bartenbach, George A., and Charles Richter, Detroit, Mich. Process for tanning hides	Apr. 20, 1875	511		7	657
162, 993	Barth, Henry, Cincinnati, Ohio. Feed-gage for cylinder printing-presses	May 11, 1875	258	83	7	789
168, 823	Barthel, Albert E., Detroit, Mich. Implement for fire-arms	Oct. 19, 1875	494	161	8	651
171, 210	Barthel, Albrecht B., Detroit, Mich. Peat-machine	Dec. 21, 1875	556	{ 181 182 183 }	8	1039
170, 505	Barthel, Michael, Milpitas, Cal. Ant-extermiator	Nov. 30, 1875	1176	371	8	922
170, 220	Bartlett, A. La Fayette, Brownsville, Ga. Wagon brake	Nov. 23, 1875	902	282	8	875
167, 730	Bartlett, Buel F., Duakirk, N. Y. Lubricating compound	Sept. 14, 1875	322		8	459
169, 334	Bartlett, Charles, Newburyport, Mass. Machine for framing boats	Nov. 2, 1875	10	1	8	736
	Bartlett, Edward L., et al. (See Davis, John C., assignor.)					
	Bartlett, E. J., (See Wilson, Francis T., assignor.)					
	Bartlett, F. W., et al. (See Milson, George, assignor.)					
	Bartlett, George D. (See Warfield, Oliver D., assignor.)					
163, 042	Bartlett, Hiram S., Midland, Mich. Log-sled	May 11, 1875	304	98	7	794
159, 065	Bartlett, Joseph W., New York, N. Y., and Frederick Plant, Brickburgh, N. J., said Plant assignor to said Bartlett. Sewing-machine	Jan. 26, 1875	706	232	7	143
	Bartlett, Lorenzo D. (See Merrill, Charles L., assignor.)					
	Bartlett, Monroe F. (See Lobdell & Bartlett.)					
169, 615	Bartlett, Sylvester P. (See Harrison, Thomas B., assignor.)	Nov. 9, 1875	291	94	8	781
163, 841	Barton, William W., Baltimore, Md. Spring bed-bottom	June 1, 1875	5	2	7	931
170, 805	Barton, Arthur, Nevada City, Cal. Machine for bending horseshoes	Dec. 7, 1875	137	45	8	969
6, 644	Barton, Clarence E. (See Barton, William R., assignor.)					
162, 994	Barton, Edwin, Flint, Mich. Spring bed-bottom	Sept. 14, 1875	411	132	8	472
171, 084	Barton, Elijah C., assignor to Gong Bell Manufacturing Company, East Hampton, Conn. Chimney	May 11, 1875	259	83	7	789
	Same.....(Reissue.)					
164, 511	Barton, Henry, Washington, D. C. Truss-bridge	Dec. 14, 1875	404	134	8	1012
167, 054	Barton, Isaac, Williamsport, Pa. Flue and tubular steam-boiler	Aug. 24, 1875	852	{ 265 266 }	8	345
169, 925	Same.....Tubular boiler	Oct. 26, 1875	881	286	8	712

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. gr.	Vol.	Page.
168, 824	Barton, Robert, assignor of one-half interest to William Johnston, Philadelphia, Pa. Valve for water-mains . . . . .	Oct. 19, 1875	495	161	8	651
	Barton, Wallaco W. (See Pollard, James M., assignor.)					
162, 013	Barton, William R., Georgetown, Mass. Welt-knife . . . . .	Apr. 13, 1875	378	127	7	633
162, 014	Barton, William R., Georgetown, assignor of one-third interest to Clarence E. Barton, Cambridge, Mass. Peg-cutter handle . . . . .	Apr. 13, 1875	378	127	7	633
164, 415	Bascom, Austin, Norwalk, Ohio. Hub-borer . . . . .	June 15, 1875	562	183	7	1036
161, 855	Bashaw, John N., Geneva Lake, Wis. Cultivator . . . . .	Apr. 13, 1875	241	80	7	615
164, 252	Bass, Alexander, Las Canas, Cuba. Portable railway . . . . .	June 8, 1875	390	132	7	994
158, 567	Bass, Charles H., Brooklyn, N. Y. Mode of loading coal, &c . . . . .	Jan. 12, 1875	205	70	7	53
163, 294	Bass, Charles H., Medford, Mass. Toy cup and ball . . . . .	May 18, 1875	553	177	7	843
	Bass, Joseph P. (See Weston, Emile R., assignor.)					
	Bass, Marquis L. (See Fletcher, James H., assignor.)					
	Bassett, George. (See Wright & Bassett.)					
158, 886	Bassett, John F., Limestone, N. Y. Washing-machine . . . . .	Jan. 19, 1875	510	171	7	110
170, 700	Bassford, John F., New York, N. Y. Process of preparing preserved fruit . . . . .	Dec. 7, 1875	43		8	956
162, 882	Bastian, Henry, sr., Montoursville, Pa. Fireman's extension-ladder . . . . .	May 4, 1875	132	43	7	764
162, 601	Batchelder, Alden. (See Richter, Charles, assignor.) . . . . . (Design.)					
158, 354	Batchelder, Alden, Reading, Mass. Escritoire . . . . .	Apr. 27, 1875	955	307	7	721
163, 910	Batchelder, Asahel G., Lowell, Mass. Paper-tube machine . . . . .	Jan. 5, 1875	4	2	6	9
159, 743	Batchelder, Edwin R., Prospect, assignor to self, Charles McLeod, South Thomaston, and Thompson H. Murch and Henry J. Snow, Dix Island, Me. Stone-cutter's gage . . . . .	June 1, 1875	60	20	7	939
171, 258	Batchelder, Hazen J., Fitchburgh, assignor to Theodore S. Very, Boston, Mass. Horse-shoe-machine . . . . .	Feb. 16, 1875	491	165	7	265
164, 960	Batchelder, Hazen J., Fitchburgh, assignor to self and Theodore S. Very, Boston, Mass. Horseshoe-machine . . . . .	Dec. 21, 1875	600	197	8	1045
168, 825	Batcheller, Alexander F., Cedar Falls, Iowa. Corn-cultivator . . . . .	June 19, 1875	1082	348	7	1110
160, 866	Batchelor, Charles. (See Edison & Batchelor.)					
167, 633	Batchelor, John, and Andrew J. Warren, Bridgeport, Conn. Filter and sprinkler combined . . . . .	Oct. 19, 1875	495	161	8	651
160, 351	Batchelor, J. M., Foxcroft, Me., assignor of one-half interest to Cyrus Hill. Stump-clevator . . . . .	Mar. 16, 1875	578	188	7	445
167, 633	Bate, Richard L., Adrian, Mich. Coffee-pot . . . . .	May 18, 1875	609	194	7	850
167, 212	Bate, Wallace H., Norwood, assignor to self and Mathias Rademacher, Boston, Mass. Fastening for bottle-stoppers . . . . .	Sept. 14, 1875	239	74	8	446
169, 401	Bateman, Jonathan, et al. (See Hubbell, Thomas J., assignor.)					
165, 655	Bates, Benjamin, Baltimore, Md. Air and gas or fluid regulator . . . . .	Aug. 31, 1875	1023	318	8	376
161, 092	Bates, Charles L., Bergen County, N. J., assignor to Thomas Kennedy, Branford, Conn. Door-lock . . . . .	Nov. 2, 1875	76	23	8	745
162, 883	Bates, Dresser T., Holliston, Mass. Wick-trimmer . . . . .	July 13, 1875	273	81	8	53
168, 804	Bates, Edward P., Syracuse, assignor of one-half interest to Wyllys H. Warner, Brooklyn, N. Y. Steam-cooking vessel . . . . .	Mar. 23, 1875	793	260	7	483
160, 997	Bates, Emory H., assignor of one-half interest to Norval E. Bates, Washington, D. C. Cooking-stove . . . . .	May 4, 1875	132	44	7	764
167, 055	Bates, John C., Cold Spring, N. Y. Ventilating apparatus . . . . .	Oct. 19, 1875	530	173	8	655
163, 075	Bates, Jonathan, Boston, Mass. Organ-case . . . . .	Mar. 23, 1875	702	231	7	471
162, 602	Bates, Joseph W., Minneapolis, Minn., assignor of one-half interest to Eaton Cliff, Washington, D. C. Handle for wash-boilers, &c . . . . .	Aug. 24, 1875	854	266	8	345
161, 734	Bates, Norval E. (See Bates, Emory H., assignor.)					
160, 350	Batson, Alonzo B., Newcastle, Ind. Bit-gage . . . . .	Oct. 26, 1875	744	243	8	693
162, 076	Batson, John W., Baltimore, Md. Washing-machine . . . . .	Apr. 27, 1875	956	307	7	721
161, 334	Battermann, Henry, assignor to Francis Emmerich, New York, N. Y. Bronzing-machine . . . . .	Apr. 6, 1875	125	41	7	587
160, 747	Battier, Frederick A., Chicago, Ill. Sash-holder . . . . .	Feb. 23, 1875	791	261	7	312
160, 350	Batticher, Paul G. (See Hay, Adam, assignor.)					
165, 655	Battis, John, 2d, Salom, Mass. Cigar-bunching machine . . . . .	Mar. 2, 1875	108	39	7	364
169, 671	Battle, James. (See Beaufait, Frank, assignor.)					
166, 060	Battles, Rush S. (See Campfield, Matthew E., assignor.)					
169, 076	Battles, Rush S., Girard, Pa. Wrench . . . . .	July 20, 1875	525	161	8	105
163, 911	Battmann, Carl L. C., Hoboken, N. J. Perfuming and disinfecting apparatus . . . . .	Nov. 9, 1875	349	110	8	788
169, 508	Bauer, Cornelius, Cincinnati, Ohio. Vehicle-sprung . . . . .	July 27, 1875	918	284	8	171
163, 911	Bauer, Ernst, Williamsburgh, N. Y. Method of preparing animal hose . . . . .	Oct. 26, 1875	742		8	693
169, 508	Bauer, Georg W. M. (See Blazicek & Bauer.)					
163, 911	Bauer, Zachaeus, Saint Louis, Mo. Apparatus for laying out coat-patterns . . . . .	June 1, 1875	61	21	7	939
163, 295	Baughman, Henry, Dorn's Gold Mine, S. C. Saw-gumming machine . . . . .	Nov. 2, 1875	166	55	8	758
164, 670	Baum, John C., Cincinnati, Ohio. Smoke-consuming furnace . . . . .	May 18, 1875	554	{ 177 } { 178 } { 259 }	7	843
165, 974	Baum, John E., Freeland, Pa. D. op-grate for cooking-range . . . . .	June 22, 1875	792	260	7	1065
165, 149	Baum, John E., Freeland, Pa. D. op-grate for cooking-range . . . . .	July 27, 1875	840	{ 258 } { 259 }	8	160
167, 295	Bauman, Gerhart, Middletown, Conn. Wash-bench . . . . .	July 6, 1875	3	1	8	9
158, 887	Baumann, William, Pittsburg, Pa. Ash-sifter . . . . .	Aug. 31, 1875	1093	343	8	386
167, 731	Baumeister, Leopold, Gaggenu, Germany, assignor to self and Michael Flirschheim. } Apparatus for lighting, extinguishing, and regulating gas-flames. } . . . . .	Jan. 19, 1875	511	{ 171 } { 172 }	7	110
170, 507	Baumgarten, Henry, Sturgis, Mich. File-holder . . . . .	Sept. 14, 1875	322	102	8	459
163, 911	Baumgarten, Jerome. (See Iske & Baumgarten.)					
163, 911	Baumgarten, Robert. (See Rung, Henry, assignor.)					
163, 199	Baur, Julius, Brooklyn, N. Y. Manufacture of chrome steel . . . . .	Nov. 30, 1875	1177		8	922
162, 518	Bausch, John J., Rochester, N. Y. Eye-glasses . . . . .	July 6, 1875	57	16	8	16
171, 341	Bausch, Christian H., Holyoke, Mass. Hitching device for straps . . . . .	Apr. 27, 1875	886	283	7	742
167, 426	Baux, John B., Oakland, assignor to James M. Curtis, San Francisco, Cal. Apparatus for aging liquors . . . . .	Dec. 21, 1875	671	222	8	1055
162, 603	Bawden, John, Freehold, N. J. Fire-place grate . . . . .	Sept. 7, 1875	45	13	8	412
164, 512	Baxter & Scriven Brothers. (See Horstall, Charles H., assignor.) . . . . . (Design.)					
160, 637	Baxter, Charles W., Camden, N. J. Hair-curling device . . . . .	Apr. 27, 1875	957	307	7	721
158, 888	Baxter, De Witt C., assignor to self, Charles C. Torr, and Cochran Forbes, Philadelphia, Pa. Portable forge . . . . .	June 15, 1875	645	208	7	1036
161, 735	Baxter, James M., Camden, N. J., assignor of one-half interest to Jos. D. Oppenheimer, Philadelphia, Pa. Curling-iron . . . . .	Mar. 9, 1875	351	118	7	408
161, 141	Baxter, Jonathan W., Vevay, Ind. Dental plugger . . . . .	Jan. 19, 1875	515	172	7	110
170, 466	Baxter, William H. (See Woolsey, Thomas D., assignor.)					
161, 735	Bay State Shoe and Leather Company. (See Bigelow, Charles D., assignor.)					
161, 735	Bayard, Stephen M., Ionia, Mich. Pruss . . . . .	Nov. 30, 1875	1140	359	8	917
161, 735	Bayer, Adolph. (See Raymond, John V., assignor.) . . . . . (Reissue.)					
161, 735	Bayer, Joseph. (See Steele & Bayer.)					
161, 735	Bayles, Alfred G., New York, N. Y. Gas-burner . . . . .	Apr. 6, 1875	127	44	7	587
161, 141	Bayles, George, New York, N. Y. Game-board . . . . .	Apr. 20, 1875	512	168	7	657

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. <sup>ss</sup>	Vol.	Page.
160, 505	Bayliss, Thomas L., Edgartown, Mass. Vise .....	Mar. 9, 1875	238	82	7	391
160, 140	Bayliss, Benjamin, Pittsburgh, Pa. Metallurgic furnace .....	Feb. 23, 1875	268	287	7	324
	Bayliss, Edwin, <i>et al.</i> (See Brown, James O., assignor.)					
166, 244	Bayliss, John, New York, N. Y. Bellows .....	Aug. 3, 1875	54	17	8	207
159, 883	Bayliss, Thomas R., Birmingham, England. Manufacture of metallic cartridge-cases ..	Feb. 16, 1875	621	205 206 207	7	282
153, 777	Baylor, Robert W., Norfolk, Va. Barrel .....	Jan. 19, 1875	412	138	7	97
	Beach, Albert, jr. (See Sweeney & Beach.)					
167, 976	Beach, Edgar B., assignor of one-half interest to Henry B. Beach, West Meriden, Conn. Sash-fastener .....	Sept. 21, 1875	547	176	8	500
163, 842	Beach, Emmett A., Battle Creek, Mich. Road-scraper .....	June 1, 1875	6	2	7	931
168, 212	Beach, Giles, Gloversville, N. Y. Apparatus for operating organ-bellows .....	Sept. 28, 1875	798	254	8	542
	Beach, Harry E. (See Donnelly, Martin, assignor.)					
162, 604	Beach, Henry, assignor of one-half interest to Peter Kaiser, Warsaw, Ill. Spring-bed bottom .....	Apr. 27, 1875	957	308	7	721
	Beach, Henry B. (See Babbitt & Beach.)					
	Same .....					
159, 014	Beach, Henry H., Rome, N. Y. Grain-drier .....	Jan. 26, 1875	664	217	7	137
163, 843	Beach, Henry L., Montrose, Pa. Scroll-sawing machine .....	June 1, 1875	7	2	7	931
182, 519	Beach, Walter W., Esconawba, Mich. Locomotive ash pan and damper .....	Apr. 27, 1875	887	284	7	712
168, 707	Beach, William H., and George Marshall, Belleville, Ill. Apparatus for walling wells ..	Oct. 11, 1875	379	124	8	626
	Beadle, Augustus, <i>et al.</i> (See Hamilton, Alexander, assignor) .....					
	Beadle, Jesse. (See Anthony & Beadle.)					
	Same .....					
161, 196	Beagle, Henry, Philadelphia, Pa. Stool and seat .....	Mar. 23, 1875	880	289	7	495
	Beal, Flavius O. (See Babcock, James F., assignor.)					
	Beale, Horace A. (See Dallar, Samuel, assignor.)					
163, 567	Beall, Charles B., Hamilton, assignor of one-half interest to Theodoro G. Massie, Cincinnati, Ohio. Planing-machine .....	May 25, 1875	818	250	7	885
8, 201	Beals, Leonard S., Astoria, N. Y. Breast-pin and pendant .....	Mar. 9, 1875				7 387
8, 202	Same .....	Mar. 9, 1875				7 387
8, 203	Same .....	Mar. 9, 1875				7 387
8, 274	Same .....	Apr. 20, 1875				7 651
8, 275	Same .....	Apr. 20, 1875				7 651
8, 293	Same .....	Apr. 27, 1875				7 701
8, 299	Same .....	Apr. 27, 1875				7 701
8, 300	Same .....	Apr. 27, 1875				7 701
8, 312	Same .....	May 4, 1875				7 742
8, 406	Same .....	June 22, 1875				7 1056
8, 407	Same .....	June 22, 1875				7 1056
8, 408	Same .....	June 22, 1875				7 1056
8, 409	Same .....	June 22, 1875				7 1056
8, 756	Same .....	Oct. 26, 1875				8 689
8, 757	Same .....	Oct. 26, 1875				8 689
8, 758	Same .....	Oct. 26, 1875				8 689
165, 200	Beals, Pascal P., Buffalo, N. Y. Furnace for heating soldering-irons .....	July 6, 1875	57	17	8	16
8, 786	Beam, Daniel A., Newark, N. J. Chain-link .....	Nov. 9, 1875				8 777
164, 416	Beam, Jacob H., Philadelphia, Pa. Sausage-machine .....	June 15, 1875	563	183	7	1026
165, 201	Beam, John H., and Joseph B., Bardstown, Ky. Still for the manufacture of alcoholic spirits .....	July 6, 1875	58	17	8	17
	Beam, Joseph B. (See Beam, John H. and Joseph B.)					
161, 736	Beamer, Valentine M., Noblesville, Ind. Horse-collar fastening .....	Apr. 6, 1875	127	44	7	587
161, 197	Beamisdarfer, Joseph A., Campbelltown, Pa. Rock-drilling machine .....	Mar. 23, 1875	881	289	7	495
6, 215	Beam, Albert B., New Haven, Conn. Machine-clutch .....	Jan. 12, 1875	385	131	7	78
6, 791	Same .....	Dec. 14, 1875	530	175	8	1028
	Beam, Benjamin F. (See Bean, Henry and Benjamin F.)					
160, 298	Beam, Benjamin F., Lynn, Mass. Neck-tie supporter .....	Mar. 2, 1875	36	14	7	354
158, 775	Beam, Benjamin F., and Charles H. Farnham, Manchester, N. H. Picking-mechanism for looms .....	Jan. 19, 1875	409	137	7	97
158, 889	Beam, Edwin E., Boston, Mass. Electro-magnetic gas-lighting apparatus .....	Jan. 19, 1875	516	172 173	7	111
	Same .....	Mar. 30, 1875	1079	349 350	7	528
161, 376	Same .....	Nov. 2, 1875	167	55, 56	8	758
169, 509	Same .....	Nov. 23, 1875	903	282	8	875
170, 221	Same .....					
159, 144	Bean, Edwin E., assignor to Consolidated Wax Thread Sewing Machine Company, Boston, Mass. Wax-thread sewing-machine .....	Jan. 26, 1875	776	255	7	153
166, 330	Bean, Henry, and Benjamin F., Pawling, Pa. Fence .....	Ang. 3, 1875	132	41	8	218
108, 865	Bean, James H., and Richard W. Box, Pulaski, N. Y. Folding chair .....	Oct. 19, 1875	530	174	8	655
6, 703	Bean, John, Hudson, Mich. Pump .....	Oct. 19, 1875	728	240	8	683
165, 056	Bean, John, Hudson, Mich., assignor of three-fourths interest to Aaron Chandler and L. D. Ralesback, Davenport, Iowa, and R. A. Bean, Hudson, Mich. Fire-engine .....	June 29, 1875	1160	374	7	1121
164, 360	Bean, Joseph H., Cincinnati, Ohio. Carbureter .....	June 15, 1875	507	167	7	1019
165, 782	Same .....	July 20, 1875	636	195 196	8	121
166, 331	Same .....	Ang. 3, 1875	133	41	8	218
168, 444	Same .....	Oct. 5, 1875	109	37	8	581
164, 139	Bean, Luther, and James M. Butters, Stratford Hollow, N. H. Machine for turning bobbins .....	June 8, 1875	273	95	7	979
170, 330	Bean, Otis W., Tecumseh, Mich. Vat for tanning leather .....	Nov. 23, 1875	1002	314	8	890
	Bean, R. A., <i>et al.</i> (See Bean, John, assignor.)					
169, 134	Bean, Samuel, Clinton Valley, Ohio. Corn-stalk cutter .....	Oct. 26, 1875	803	261	8	701
159, 744	Beantland, John E., Bradford, England. Quadrant for opening, shutting, and fastening windows .....	Feb. 16, 1875	493	165	7	266
	Bear, Wilson, <i>et al.</i> (See Kline, Jacob, assignor.)					
169, 763	Bearce, Larned S., Houston, Tex. Cotton-press .....	Nov. 9, 1875	451	142	8	801
	Beard, Beach C., <i>et al.</i> (See Harris, Thomas, assignor.)					
163, 137	Beard, David P., Saint Louis, Mo., assignor of one-half interest to Patrick G. Rooney. Steam-boiler furnace .....	May 11, 1875	388	125	7	805
163, 964	Beard, Evan L., Thornton, Ind. Band-cutter for thrashing-machines .....	June 1, 1875	103	35	7	945
158, 457	Beard, George W., Grenada, Miss. Cotton-scraper .....	Jan. 5, 1875	93	32	7	22
	Beard, Huntington, <i>et al.</i> (See Harris, Thomas, assignor.)					
161, 653	Beardslee, Lester A., Washington, D. C. Machine for testing the strength of materials ..	Apr. 6, 1875	56	21	7	577

Alphabetical list of patentees for the year 1875—Continued.

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161, 737	Beardslee, Lester A., Washington, D. C. Testing-machine .....	Apr. 6, 1875	125	44	7	587
162, 213	Beardslee, Marcus D., Saint Louis, Mo. Grain-scourer .....	Apr. 20, 1875	577	189	7	665
163, 444	Beardsley, George F. (See Lasher, Morgan E., assignor.) .....					
	Beardsley, George F., Glenn's Falls, N. Y. Horse-collar .....	May 18, 1875	686	219	7	860
	Beardsley, Homer S. (See Sampson, William S., assignor.) .....					
6, 582	Beardsley, Lester C., Cleveland, Ohio. Can-seaming machine. (Reissue) .....	Aug. 10, 1875	468	144	8	273
6, 583	Same. Sheet-metal can. (Reissue) .....	Aug. 10, 1875	470	144	8	273
161, 138	Bearup, H. (See Casey, Fred A., assignor.) .....					
	Beasley, Charles J. (See Tappey, Steel & Beasley.) .....					
	Beasley, Charles J., assignor to W. H. Tappey and Alexander Steel, Petersburg, Va. Bale-tie .....	May 11, 1875	389	126	7	805
159, 998	Beath, John M. (See Martin & Beath) .....					
168, 766	Beath, John M., San Francisco, Cal. Absorbing ammonia-gas in water .....	Feb. 23, 1875	745	247	7	307
170, 508	Same. Ice-machine .....	Oct. 11, 1875	376	123	8	626
169, 326	Same. same .....	Nov. 30, 1875	1178	372	8	922
166, 957	Beatley, Joseph W., assignor to Robert W. Rutherford and Joseph W. Beatley, trustees, Brooklyn, N. Y. Manufacture of illuminating-gas .....	Oct. 26, 1875	978	317	8	725
165, 656	Beaton, David and Samuel A., Philadelphia, Pa. Nut-lock .....	Aug. 24, 1875	760	235	8	332
164, 070	Beaton, Samuel A. (See Beaton, David and Samuel A.) .....					
160, 638	Beatty, Thornton, Vermillion, Ill. Felly-plate .....	July 20, 1875	526	161	8	105
163, 723	Beaudry, Alexander, Boston, Mass. Tool-handle .....	June 8, 1875	226	79	7	973
	Beaudry, Joseph, assignor of one-half interest to Toussaint G. Courselles, Ottawa, Canada. Lathe for turning irregular forms .....	Mar. 9, 1875	352	119	7	408
162, 884	Beaufait, Frank, assignor to self and James Battle, Detroit, Mich. Fire-kindler for steam fire-engines .....	May 25, 1875	955	303	7	902
168, 213	Beaumont, Duncan, Sacramento, Cal. Steam-plow .....	May 4, 1875	133	44	7	764
168, 213	Beaumont, Franklin, jr., assignor to self and William H. Beaumont, Dallas, Tex. Stilt .....	Sept. 28, 1875	799	254	8	542
169, 764	Beaumont, William H. (See Beaumont, Franklin, jr., assignor.) .....					
164, 417	Beaver, Fredrick P., Dayton, Ohio. Knock-down table .....	Nov. 9, 1875	451	142	8	801
166, 061	Beaver, John, and Jeddediah M. Tallman, Lion, N. Y. Shuttle for sewing-machines .....	June 15, 1875	564	183	7	1026
163, 965	Bezell, John S., Chilledale, Mo. Harrow .....	July 27, 1875	919	284	8	171
167, 869	Same. Chain-pool bucket .....	July 27, 1875	920	284	8	171
162, 605	Beche, Peter, Bath, Pa. Tide-power .....	June 1, 1875	104	35	7	945
170, 701	Bechet, Alphonse, Clifton, assignor to Charles F. A. Hinrichs, Brooklyn, N. Y. Removable drip-cup for argand lamps .....	Sept. 21, 1875	465	147	8	488
163, 626	Bechler, John A., assignor of one-half interest to William Mitchell, Philadelphia, Pa. Socket-joint for whip-canes .....	Apr. 27, 1875	956	308	7	721
166, 958	Beckman, Friedrich W., Cincinnati, Ohio. Key-hole guard .....	Dec. 7, 1875	44	13	8	956
159, 884	Beck, Andrew, Philadelphia, Pa. Instrument for scribing stair-curves .....	May 25, 1875	875	276	7	692
163, 966	Beck, Andrew and Israel, Philadelphia, Pa. Mechanical movement .....	Aug. 24, 1875	761	235	8	332
8, 410	Beck, August, assignor to Louis Dryloos, New York, N. Y. Quilting-machine .....	Feb. 16, 1875	624	207	7	282
169, 226	Beck, Bernard J., Brooklyn, N. Y. Sheet-music holder .....	June 1, 1875	105	36	7	945
	Beck, Edward, and Stephen Bird, Lockport, N. Y. Picture-frame. (Design) .....	June 22, 1875			7	1056
	Beck, George, Charlotte, N. Y. Vehicle-axle .....	Oct. 26, 1875	8e2	267	8	712
	Beck, Israel. (See Beck, Andrew and Israel.) .....					
162, 791	Beck, Washington, Pittsburg, Pa. Glass-press .....	May 4, 1875	54	17	7	754
159, 745	Becker, Arp, Chicago, Ill. Wash-boiler .....	Feb. 16, 1875	494	165	7	266
160, 074	Becker, Henry, Blauveltville, N. Y. Chimney-top .....	Feb. 23, 1875	815	268	7	316
167, 818	Becker, Herman, Philadelphia, Pa. Truss .....	Sept. 21, 1875	419	133	8	481
158, 667	Becker, Jacob, jr., Seymour, Ind. Running-gear .....	Jan. 12, 1875	297	100	7	65
159, 630	Same. Running-gear for vehicles .....	Feb. 9, 1875	364	121	7	243
158, 890	Becker, John, and W. D. Hoffman, Sigourney, Iowa. Electro-therapeutic bath .....	Jan. 19, 1875	517	173	7	111
165, 057	Becker, Leander, York, Pa. Wringer .....	June 29, 1875	1161	374	7	1121
165, 058	Same. Washing-machine .....	June 29, 1875	1162	374	7	1121
170, 702	Beckert, Frederick, jr., Allegheny, Pa. Shutter-hinge .....	Dec. 7, 1875	45	13	8	956
169, 135	Beckert, William, Allegheny, Pa. Double-tree clip .....	Oct. 26, 1875	804	261	8	701
159, 746	Beckett, William H., Clonuford, England. Stop-cock .....	Feb. 16, 1875	495	165	7	266
162, 520	Beckford, Frank M., Haverhill, Mass. Carpet-sweeper .....	Apr. 27, 1875	887	284	7	712
169, 227	Beckley, Anson J., assignor to Walter and Erastus H. Gregory, Battle Creek, Mich. Wind-wheel .....	Oct. 26, 1875	883	287	8	712
169, 510	Beckwith, Edward H., Saint Petersburg, Pa. Valve .....	Nov. 2, 1875	169	56	8	758
170, 511	Beckwith, Erwin G., and George R. Brown, deceased, by Harriet W. Brown, administratrix, Strongsville, assigns to John Q. A. Oliver and Eldred H. Phillips, York, Ohio. Bow for animal-pokes .....	Nov. 30, 1875	1184	373	8	923
168, 364	Beckwith, Samuel H., Utica, N. Y. Electric communicator .....	Oct. 5, 1875	41	15	8	570
167, 382	Beckwith, William G., Newark, N. J. Sewing-machine .....	Sept. 7, 1875	2	1	8	407
168, 214	Beddow, Thomas, and Alexander T. Jackson, assignors to Thomas Beddow; said Beddow assignor of one-half interest to George Phelps, New Albany, Ind. Die for swaging right and left intersecting screw-threads .....	Sept. 28, 1875	799	254	8	542
158, 668	Bedell, Otis T., New York, N. Y. Wrench .....	Jan. 12, 1875	297	101	7	66
162, 456	Bedell, William. (See Shepard & Bedell.) .....					
169, 077	Bedford, Alma, Cold Water, Mich. Hold-back iron .....	Apr. 27, 1875	831	268	7	705
167, 819	Bedford, Joseph T., New York, N. Y. Electric burglar-alarm and annunciator .....	Oct. 26, 1875	745	243 244	8	693
169, 511	Bee, Albert W., San Francisco, Cal., and J. Wilson Garrett, Philadelphia, Pa. Automatic glass cock .....	Sept. 21, 1875	420	133	8	481
170, 510	Beebe, Calvin, et al (See Milgate, George C., assignor.) .....					
165, 059	Beebe, Emmet A. (See Beebe, Sidney L. and Emmet A.) .....					
171, 259	Beebe, Henry, Jersey City Heights, N. J. Lantern .....	Nov. 2, 1875	169	56	8	758
162, 341	Same. same .....	Nov. 30, 1875	1183	373	8	923
	Beebe, Lewis H., Hudson, Mich. Preventing the obstruction of water-channels .....	June 29, 1875	1162	374	7	1121
	Beebe, Sidney L. and Emmet A., North Ridgeville, Ohio. Lathe for turning stone .....	Dec. 21, 1875	603	197	8	1045
	Beecher, Ebenezer B., Westville, Conn. Feeding mechanism for paper-box machines .....	Apr. 20, 1875	694	225 226	7	680
161, 738	Beecher Manufacturing Company. (See McElroy, William B., assignor.) .....	Apr. 6, 1875	129	45	7	57
162, 995	Beecher, Samuel N., Milford, Conn. Hanging carriage-bodies .....	May 11, 1875	259	84	7	789
166, 141	Beekly, Samuel S., Lanark, Ill. Rotary churn .....	Feb. 23, 1875	869	287	7	324
159, 066	Beekman, George S., Talluta, Ill. Fly-brush attachment .....	Jan. 26, 1875	707	232 233	7	143
159, 558	Beekman, John V., Brooklyn, assignor to Lidgerwood Manufacturing Company, New York, N. Y. Rotary engine .....	Jan. 26, 1875	707	232 233	7	143
166, 063	Beers, Edwin A., De Kalb, Ill. Draft-equalizer .....	Feb. 9, 1875	313	102	7	535
167, 056	Beers, Edwin A., De Kalb Centre, Ill. Gang-plow .....	July 27, 1875	921	285	8	171
157, 618	Beers, George W., Bridgeport, Conn. Curtain-roller and bracket .....	Aug. 24, 1875	854	266	8	345
163, 967	Beers, John, Darke County, Ohio. Lifting-jack .....	Jan. 12, 1875	232	85	7	59
	Beers, John, Greenville, Ohio. Hand corn-planter .....	June 1, 1875	105	36	7	945

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165, 975	Beets, Philo M., Bridgeport, Conn. Machine for stamping needles .....	July 27, 1875	841	250	8	160
165, 976	Same..... Machine for swaging needle-blanks .....	July 27, 1875	842	259	8	160
165, 977	Same..... Machine for polishing the eyes of needles.....	July 27, 1875	844	260	8	160
166, 245	Same..... Machine for trimming needle-blanks .....	Aug. 3, 1875	55	17	8	207
166, 246	Same..... Machine for polishing the eyes of needles.....	Aug. 3, 1875	56	18	8	207
168, 128	Beets, William, Milan, Ohio. Vehicle-spring .....	Sept. 28, 1875	722	228	8	531
160, 142	Behel, Jacob, (See Prentice, Behel, and Talcott.) Behel, Jacob, Rockford, Ill., assignor of one-half interest to Ralph Emerson, Rockford, Ill. Cultivator .....	Feb. 23, 1875	869	287	7	324
169, 616	Behlen, Charles, Cincinnati, Ohio. Running-gear for vehicles .....	Nov. 9, 1875	292	94	8	781
170, 982	Behlers, Edward R., Saint Louis, Mo. Vent .....	Dec. 14, 1875	315	104	8	1000
161, 198	Behn, Henry A., jr., Troy, N. Y. Temporary binder .....	Mar. 23, 1875	882	290	7	495
160, 299	Behning, Henry, and Justus Diehl, New York, N. Y. Name-board for piano-fortes .....	Mar. 2, 1875	37	14	7	354
171, 342	Behren, Henry, Columbus, Ohio. Broom-sewing machine .....	Dec. 21, 1875	672	222	8	1055
168, 245	Behrens, Henry J., New York, N. Y. Valve-gear .....	Sept. 28, 1875	800	255	8	542
160, 867	Beidler, George A., Philadelphia, Pa. Patchet watch-key .....	Mar. 16, 1875	379	128	7	445
162, 342	Same..... Paper cigar-box .....	Apr. 20, 1875	695	226	7	680
164, 253	Same..... Lantern .....	June 8, 1875	391	132	7	995
164, 254	Same..... Combined lamp and lantern .....	June 8, 1875	392	133	7	995
166, 5e2	Same..... Lamp .....	Aug. 10, 1875	381	117	8	261
6, 220	Beinkampen, Edward. (See Hiedemyer & Beinkampen.) Beins, Hendrik, Groningen, Netherlands. Manufacture of liquid carbonic acid. (Reissue) .....	Jan. 12, 1875	391	.....	7	79
	Beisel, Frederick V. (See Gill & Beisel.) Beitenman, Harry C. (See Perot & Beitenman.)					
163, 724	Belcher, Benjamin, assignor of one-half interest to John W. Belcher, Chicopee Falls, Mass. Straw-cutter .....	May 25, 1875	956	303	7	903
159, 294	Belcher, Henry and Thomas H., Irvington, N. J. Ruler .....	Feb. 2, 1875	46	17	7	191
	Belcher, John W. (See Belcher, Benjamin, assignor.) Belcher, Luther, jr. (See Kinsley, Edward G., assignor.) Belcher, Thomas H. (See Belcher, Henry and Thomas H.)					
167, 634	Belcher, William A., and David J. Plum, Ophir City, Utah. Hollow staff for watches .....	Sept. 14, 1875	240	74	8	447
	Belfry, Holland. (See Law, Edward M., assignor.) Belknap Manufacturing Company. (See McLaughlin, Daniel, assignor)..... (Design.)					
169, 886	Belknap, Thaddeus, Austioburgh, Ohio. Annual-trap .....	Nov. 16, 1875	581	160	8	85
	Bell, A. John, et al. (See Roberts, Edward J., assignor.) Bell, A. John, Ashland, Ky. Steamboat-staging .....	Jan. 21, 1875	.....	.....	7	222
6, 599	Bell, A. John, Ashland, Ky., assignor, by mesne assignments, to Carson Mudge, E. K. Converse, John A. Stevenson, J. W. Noyes, Frank Gairnie, George E. Sears, and Lizzie D. Clarke, administratrix of Thomas L. Clarke, deceased. Steamboat-staging. (Reissue) .....	June 29, 1875	1240	399	7	1132
161, 739	Bell, Alexander G., Salem, assignor to self, Thomas Sanders, Haverhill, and Gardiner G. Hubbard, Cambridge, Mass. Transmitter and receiver for electric telegraphs .....	Apr. 6, 1875	129	45	7	587
169, 765	Bell, Charles S., Hillsborough, Ohio. Heating and ventilating stove .....	Nov. 9, 1875	452	142	8	801
	Bell, Christopher. (See Bell, William E., assignor.) Bell, Francis R., Marshall, Tex. Plow .....	May 18, 1875	610	194	7	850
163, 352	Bell, George W., Brooklyn, N. Y. Metallic can .....	Sept. 21, 1875	466	147	8	488
167, 870	Bell, Henry C., Edina, Mo. Lever-power .....	Oct. 11, 1875	285	92	8	612
168, 601	Bell, Henry P., Philadelphia, Pa. Rock-drill .....	Feb. 16, 1875	626	207	7	283
159, 885	Bell, Ira. (See Marsh & Bell.) Bell, Jackson W., McKinney, Tex. Compound engine .....	Feb. 16, 1875	531	177	7	271
159, 786	Bell, James H., and John H. Conrad, Chicago, Ill. Composition for glazing roasted coffee .....	Sept. 7, 1875	3	.....	8	407
167, 383	Bell, Jasper N., assignor to J. N. Bell and R. W. Johnson, Fort Dodge, Iowa. Oats-sereen .....	Mar. 23, 1875	703	232	7	473
160, 999	Bell, Jasper N., assignor to L. L. Young and John Thistle, Fort Dodge, Iowa. Truss .....	Sept. 21, 1875	548	176	8	501
167, 977	Bell, J. N., et al. (See Bell, Jasper N., assignor.) Bell, John P., et al. (See Minor, John O., assignor.)					
160, 998	Bell, Miller G., Clarksville, N. J. Combined wall-protector and towel-rack .....	Mar. 23, 1875	702	231	7	472
	Bell, Robert W. (See Tower, George E., assignor.) Bell, William E., assignor of one-half interest to Christopher Bell, Platteville, Wis. Car-coupling .....	July 13, 1875	394	118	8	70
165, 529	Bell, William E., assignor of one-half interest to Christopher Bell, Platteville, Wis. Car-coupling .....	July 13, 1875	394	118	8	70
166, 583	Bell, Wilham H., San Francisco, Cal. Marking-wheel .....	Aug. 10, 1875	381	118	8	261
165, 530	Bellamy, Henry R., Indianapolis, Ind. Pavement .....	July 13, 1875	395	119	8	71
169, 402	Bellamy, John, New York, N. Y. Tailors' apparatus for drafting patterns .....	Nov. 2, 1875	76	23	8	745
169, 403	Bellingcr, James R., Luzerne M. Bolles, and William J. Fryer, jr.; said Bellingcr assignor to Charles L. Fryer, New York, N. Y. Bridle-bit for horses .....	Nov. 2, 1875	77	23	8	745
167, 213	Bellingcr, Philip, Paoli, Ind. Mechanical movement .....	Aug. 31, 1875	1025	318	8	376
	Bellini, Giuseppe. (See Carobbi & Bellini.) Bellows, George F., Menomonee, Wis. Saw-mill .....	Feb. 23, 1875	746	247	7	307
159, 999	Bellows, George F., Menomonee, Wis. Saw-mill .....	Feb. 23, 1875	746	247	7	307
161, 142	Belmer, Hernan, Cincinnati, O. Bird-egg .....	Apr. 20, 1875	512	167	7	657
165, 783	Bement, George, Belvidere, Ill. Lever safety-pinion .....	July 20, 1875	638	199	8	121
169, 887	Bemis, Charles C., Brattleborough, Vt. Paint composition .....	Nov. 16, 1875	5e2	.....	8	825
166, 247	Benac, Auguste, assignor to self, Louise Poulin, and Eugene Von Nordhausen, New York, N. Y. Forge for blacksmiths .....	Aug. 3, 1875	57	18	8	207
	Benard, Victor A. (See Boquet & Benard.) Bender, Philipp J., New York, N. Y. Faotig apparatus for rooms .....	May 25, 1875	878	276	7	892
163, 628	Bendit, Sigmund. (See Hanau & Bendit.) Bendit, Simon, San Francisco, Cal. Sofa-bedstead .....	Nov. 9, 1875	350	110	8	788
169, 672	Benedict and Burbam Manufacturing Company. (See Hailas & Weeden, assignors.) Same..... (See Moore, Samuel C., assignor)..... (Reissue.) Same..... (See Weeden, William N., assignor.)					
162, 265	Benedict, Charles P., Mount Carmel, Conn. Pocket-knife .....	Apr. 20, 1875	628	204	7	671
	Benedict, William R. (See Fay, Altemas, jr., assignor.) Benjamin, Edwin, Chicago, Ill. Resawing-machine .....	July 13, 1875	306	90	8	57
165, 436	Benjamin, Edwin, assignor of one-half interest to Samuel W. Pease, Chicago, Ill. Planing-machine .....	June 22, 1875	761	250	7	1061
164, 634	Benjamin, Edwin, assignor of one-half interest to Samuel W. Pease, Chicago, Ill. Planing-machine .....	June 22, 1875	761	250	7	1061
159, 631	Benjamin, Fred W., Jefferson, assignor of one-half interest to Abram Shears, Sheffield, Ohio. Saw-filing machine .....	Feb. 9, 1875	364	121	7	243
	Bennet, Edwin R., et al. (See Johnson, James, assignor.) Bennet, Milton, Dayton, Ohio. Stove-pipe shelf .....	May 18, 1875	686	219	7	861
163, 445	Bennett & Smith. (See Davis, Henry J. and Walter D., assignors)..... (Reissue.)					
160, 809	Bennett, Edward P., Elkland, Pa. Spring bed-bottom .....	Mar. 16, 1875	535	173	7	439
163, 627	Bennett, Ethan O., Crawfordsville, Iowa. Spring bed-bottom .....	May 25, 1875	877	276	7	892



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161, 587	Bennett, Ezra B., Saint Johnsbury, Vt. Feed-water heater.	Apr. 6, 1875	2	1	7	569
	Bennett, George B. (See Brinkhoff, Bennett & Selder.)					
158, 891	Bennett, George, and Foster E. Parsons, Saint Louis, Mo. Uterine supporter.	Jan. 19, 1875	518	173	7	111
167, 820	Bennett, George P., Coventry, R. I. Weather-strip.	Sept. 21, 1875	420	134	8	481
	Bennett, James M., et al. (See Bridge, Edward W., assignor.)					
	Bennett, James G. (See Connerly, Thomas B., assignor.)					
	Bennett, James G., et al. (See Davies, Henry J. and Walter D., assignors.)					
6, 639	Bennett, John F., Pittsburgh, Pa. Apparatus for forcing liquors. (Reissue).	Sept. 14, 1875	405	130	8	471
161, 320	Same. Manufacture of iron.	Mar. 30, 1875	1021		7	521
161, 377	Bennett, John T. B., Birmingham, England. Apparatus for the manufacture of coke and illuminating-gas.	Mar. 30, 1875	1080	350	7	528
	Bennett, Martin. (See Sheffield, George V., assignor.)					
160, 143	Bennett, Thomas B., and Edwin J. Rancier, Belton, Tex. Horizontal hay and cotton press.	Feb. 23, 1875	870	288	7	324
	Bennett, Thomas E., et al. (See Knapp, George S., assignor.)					
158, 458	Bennett, William J., Beaver Dam, Wis. Wash-boiler attachment.	Jan. 5, 1875	94	32	7	22
181, 085	Same. Fly-trap.	Dec. 14, 1875	405	134	8	1012
	Bennett, William H. (See Stephenson, Howard B., assignor.)					
163, 531	Bennett, William H., New York, N. Y. Eraser-holder.	July 13, 1875	396	119	8	71
169, 136	Same. Temporary binder.	Oct. 26, 1875	805	261	8	701
	Bensinger, Moses. (See Held & Bensinger.)					
162, 015	Benson, Benjamin S., Baltimore, Md. Plow.	Apr. 13, 1875	379	127	7	633
171, 595	Same. Steam-plow.	Dec. 28, 1875	926	303	8	1098
161, 467	Benson, Henry C., Yonkers, N. Y., assignor to Joseph Reckendorfer, New York, N. Y. Combined pen-handle and lead-pencil.	Mar. 30, 1875	1160	374	7	539
162, 016	Benson, Joseph, South Boston, Mass. Vapor-burner.	Apr. 13, 1875	360	127	7	633
162, 738	Benson, Joseph, Boston, Mass. Torch.	May 4, 1875	3	1	7	747
165, 468	Same. Vapor-burner.	July 13, 1875	341	100	8	62
167, 635	Benson, Joseph, Boston, assignor to Jacob Willman, Marblehead, Mass. Window-sash tightener.	Sept. 14, 1875	240	75	8	447
	Benson, R. S., et al. (See Illingworth, Benjamin, assignor.)					
163, 353	Bent, George, Seneca, Kans. Clothes-drier.	May 18, 1875	610	195	7	850
166, 679	Bent, John W., Chicago, Ill. Extension-table.	Aug. 17, 1875	489	149	8	285
	Bentle, Margedant & Co. (See Margedant, William C., assignor.)					
	Bentley, James. (See Arthur & Bentley.)					
	Bently, Orlando. (See Wright, Luther S., assignor.)					
	Benton, John B. (See Towle & Benton.)					
167, 057	Benton, John B., assignor to Hamilton E. Towle, New York, N. Y. Passenger-register.	Aug. 24, 1875	855	{ 266 267 }	8	346
162, 521	Benton, Linn B., Milwaukee, Wis. Price-tag needle.	Apr. 27, 1875	889	284	7	712
	Benton, M. P. (See Balmforth, Virginia V., assignor.)					
158, 825	Benton, Thomas P., Prairie du Sac, Wis. Harvester.	Jan. 19, 1875	457	153	7	103
167, 978	Benton, Thomas P., Prairie du Sac, assignor of one-half interest to John E. Dalton, Ooalaska, Wis. Washing-machine.	Sept. 21, 1875	548	177	8	501
170, 806	Benwell, Henry R., New York, N. Y. Device for finishing metallic tubing.	Dec. 7, 1875	137	45	8	969
170, 150	Berchold, Fidel, assignor to self, Theo. F. Berchold, Samuel Thorman, Alois Schweizer, Charles B. Bernard, and John S. Edwards, Cleveland, Ohio. Process of manufacturing steel.	Nov. 23, 1875	842		8	867
	Berchold, Theo. F., et al. (See Berchold, Fidel, assignor.)					
8, 643	Berg, Herrman, Philadelphia, Pa. Sawl. (Design).	Sept. 7, 1875			8	403
171, 260	Berg, Lorentz, Minneapolis, Minn. Book and music support.	Dec. 21, 1875	604	197	8	1046
	Berg, Martin P. (See Bach & Berg.)					
162, 606	Berger, Charles W., assignor to Edw. Brunner and Abraham E. Clarke, Philadelphia, Pa. Oyster-knife.	Apr. 27, 1875	959	308	7	721
8, 492	Berger, Heary, New York, N. Y. Center-piece. (Design).	July 20, 1875			8	95
171, 261	Berger, Julius J., Cannon Valley, Minn. Mortising-machine.	Dec. 21, 1875	604	{ 197 198 }	8	1046
170, 432	Berger, William H., Pittsburgh, Pa. Wash-board.	Nov. 30, 1875	1109	349	8	913
	Bergernon, Michael. (See Crother & Bergernon.)					
	Bergstresser, E. L., et al. (See Bergstresser, Stewart L., assignor.)					
159, 536	Bergstresser, Stewart L., Laurelton, assignor to J. B. Bergstresser, Renovo, and E. L. Bergstresser, Huhlersburgh, Pa. Camera.	Feb. 9, 1875	297	96	7	232
159, 537	Same. Photographic-plate holder.	Feb. 9, 1875	298	96	7	233
161, 378	Berliner, Emile, New York, N. Y. Neck-tie fastening.	Mar. 30, 1875	1082	350	7	528
	Bernard, Charles B., et al. (See Berchold, Fidel, assignor.)					
160, 639	Bernard, Robert C., Rocky Mount, Va. Gate-latch.	Mar. 9, 1875	353	119	7	408
160, 145	Berndt, John, Denver, Colo. Sash-balance.	Feb. 23, 1875	873	288	7	325
164, 794	Same. Transom for doors.	June 22, 1875	903	294	7	1080
163, 568	Berney, Alfred, Somerville, Mass. Sparic-arrester for loc motives.	May 25, 1875	819	260	7	885
144, 131	Berney, Franklin P., assignor to Lee B. Matthews, Quentin, Cal. Fire-escape.	June 8, 1875	279	95	7	960
162, 214	Bernhard, William M., Morristown, Ohio. Wagon-tongue attachment.	Apr. 20, 1875	578	189	7	665
8, 304	Bernheim, Gustave, New York, N. Y. Valise-lock. (Case B. Design).	May 4, 1875			7	742
163, 629	Same. Lock for bags, &c.	May 25, 1875	878	277	7	893
161, 000	Bernbeisel, Solomon, Green Park, Pa. Millstone-bush.	Mar. 23, 1875	703	232	7	472
161, 143	Same. Millstone-balance.	Apr. 20, 1875	513	169	7	657
8, 301	Bernstein, Samuel, Mount Vernon, N. Y. Dress-trimming. (Design).	Apr. 27, 1875			7	701
170, 658	Berridge, Thomas, Sturgis, Mich. Shears for sheet and plate metal.	Dec. 7, 1875	5	1	8	951
162, 522	Berry, Frank S., and George F. Alexander, New Sharon, Me. Thill-loop.	Apr. 27, 1875	889	284	7	712
161, 654	Berry, James O., Vienna, Va., assignor of one-half interest to Richard Berry, Georgetown, D. C. Curry-comb.	Apr. 6, 1875	57	21	7	577
165, 294	Berry, John, San Francisco, Cal. Mortising-machine.	July 6, 1875	136	41	8	27
165, 532	Berry, John, assignor to National Needle Company, Springfield, Mass. Machine for polishing the eyes of machine-needles.	July 13, 1875	397	119	8	71
160, 381	Berry, Luther D., Moline, Ill., assignor of one-half interest to George M. Sargent, Des Moines, Iowa. Platform-scales. (See Berry, James O., assignor.)	Mar. 2, 1875	109	39	7	364
168, 866	Berry, William O. M., San Francisco, Cal. Traction-wheel.	Oct. 19, 1875	531	174	8	655
159, 145	Berryman, Bayard A., assignor of one-half interest to George W. Shaw, Saint Louis, Mo. Car-wheel and axle.	Jan. 26, 1875	777	255	7	153
162, 885	Berryman, Bayard A., assignor to self, Stilson Hatchins, and William H. Barclay, Saint Louis, Mo. Prepared brick for paving.	May 4, 1875	134		7	765
166, 842	Berryman, Bayard A., assignor of one-half interest to George W. Shaw, Saint Louis, Mo. Sash-fastener.	Aug. 17, 1875	634	198	8	307
170, 371	Berryman, Bayard A., assignor, by mesne assignments, to self, William H. Heath, and William H. Barclay, Saint Louis, Mo. Building-block.	Nov. 23, 1875	1003	314	8	890

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 382	Berryman, Crayton, Juda, Wis. Corn-planter.....	Mar. 2, 1875	110	40	7	364
163, 1, 5-9	Bertelsen, Andrew, West Salem, and Marten Martens, Wrightsville, Wis. Process of preparing grain for grinding.....	May 11, 1875	390	126	7	866
167, 214	Berthon, Edward L., Romsey, England. Collapsible boat.....	Aug. 31, 1875	1025	318	8	376
	Bertner, Reuben, <i>et al.</i> (See Salzman, Christian H., assignor.)					
	Bertolotte, Levi A. (See Crossley & Bertolotte.)					
	Bery, James L., <i>et al.</i> (See Hearn, William G., assignor.)					
	Besler, John. (See Wüstenhagen & Besler.)					
169, 228	Best, Albert, Buffalo, N. Y. Rocking-chair.....	Oct. 26, 1875	824	287	8	713
159, 747	Best, Clearmont V., Cauton, Ohio. Bracket-lamp.....	Feb. 16, 1875	495	166	7	266
	Best, E. T., <i>et al.</i> (See Dodds, Albert G., assignor.)					
	Best, Jacob H. (See Eliason, William A., assignor.)					
166, 248	Bestor, Henry T., San Francisco, Cal. Shelving for stoves.....	Aug. 3, 1875	57	18	8	207
170, 509	Betteley, Joseph H., and Thomas Sharer, London, England. Car-brake.....	Nov. 30, 1875	1182	373	8	923
165, 295	Bettes, Alexander, Warrensburgh, Mo. Heating-stove.....	July 6, 1875	137	41	8	27
161, 468	Betts, Ira G., Detroit, assignor of two-thirds interest to George B. Peters, Marshall, Mich. Lubricating compound.....	Mar. 30, 1875	1160	.....	7	539
161, 469	Same.....	Mar. 30, 1875	1162	.....	7	539
170, 744	Betts, Lewis F., assignor of one-half interest to Joseph S. Dennis and Henry N. Wheeler. Lantern.....	Mar. 16, 1875	468	153	7	431
160, 745	Same.....	Mar. 16, 1875	468	153	7	431
168, 961	Betts, Lewis F., Chicago, Ill. Ventilating-cap.....	Oct. 19, 1875	617	205	8	668
168, 962	Same.....	Oct. 19, 1875	619	205	8	668
169, 674	Same.....	Nov. 9, 1875	351	111	8	788
6, 822	Betts, Robert W., and William Howie, Brooklyn, N. Y. Pulley..... (Reissue.)	Dec. 28, 1875	984	318	8	1105
168, 708	Same.....	Oct. 11, 1875	360	124	8	626
	Betts, William H. (See Waterbury, Milan, assignor.)					
164, 361	Bettys, Freeman H., assignor to S. B. Rowe, jr., Rochester, N. Y. Device for operating curtain-rollers.....	June 15, 1875	509	167	7	1019
160, 144	Bengler, James M., Williamsport, Pa. Scroll-saw.....	Feb. 23, 1875	872	288	7	325
	Bentler's Railway Axle Box Company. (See Austin, Kenneth S., assignor.)					
161, 001	Bevelander, Benjamin, assignor to self and Simeon L. Putnam, Boston, Mass. Street-railway switch.....	Mar. 23, 1875	704	232	7	472
160, 146	Bevin, Abner A., assignor to the Bevin Brothers Manufacturing Company, East Hampton, Conn. Device for attaching bells to shafts.....	Feb. 23, 1875	873	288	7	325
	Bevin Brothers Manufacturing Company. (See Bevin, Abner A., assignor.)					
	Same..... (See Nichols, William H., assignor.)					
168, 415	Bewley, Levi N., Corning, N. Y. Hub.....	Oct. 5, 1875	110	37, 38	8	581
171, 313	Bex, Frederick, Washington, D. C. Apparatus for setting metal axles.....	Dec. 21, 1875	672	222	8	1055
	Beyer, Louis. (See Heunsch & Beyer.)					
164, 710	Beyer, Louis, and Rudolph Heunsch, Washington, D. C. Machine for bending circular-file blanks.....	June 22, 1875	833	271	7	1071
168, 129	Beylikgy, Marc W., Tenady, N. J. Extracting rubber from waste.....	Sept. 28, 1875	723	238	8	531
	Bibb, Bentley C. (See Klotz, Philip, assignor.)					
	Same..... (See McCormick, Joseph J., assignor.)					
170, 332	Bibbiss, John M., Williamsport, Pa. Combined rubber shoe and stocking.....	Nov. 23, 1875	10, 3	315	8	890
	Bickel, John. (See Van Verson & Bickel.)					
6, 394	Bickel, John G., assignor, by mesne assignments, to John Irlbacker and Jacob Davis, Buffalo, N. Y. Faucet..... (Reissue.)	Apr. 20, 1875	821	265	7	695
6, 423	Bickford, Dana, New York, N. Y. Knitting-machine..... (Reissue.)	May 11, 1875	536	173	7	825
6, 424	Same..... (Reissue.)	May 11, 1875	540	173	7	825
6, 431	Same..... (Reissue.)	May 18, 1875	803	254	7	875
162, 523	Same..... (Reissue.)	Apr. 27, 1875	890	285	7	712
162, 886	Same.....	May 4, 1875	135	44	7	765
168, 216	Same.....	Sept. 28, 1875	801	255	8	543
162, 887	Bickford, John E., Abington, and Benjamin F. Sturtevant, Boston, Mass. Pegging-machine.....	May 4, 1875	137	45	7	765
	Bicknell, Edward J., <i>et al.</i> (See Kenyon, Martin K., assignor.)					
169, 766	Bicknell, William H., Boston, Mass. Sash-pulley.....	Nov. 9, 1875	453	143	8	801
	Biddle, John W. (See Goodall, Albert B., assignor.)					
171, 498	Bidde, William, Corvallis, Oreg. Boot and shoe.....	Dec. 28, 1875	838	274	8	1085
	Bidwell, Arthur. (See Bidwell, Susan, James, and Arthur.)					
183, 968	Bidwell, Henry E., South Haven, Mich. Fruit-drier.....	June 1, 1875	106	36	7	946
	Bidwell, James. (See Bidwell, Susan, James, and Arthur.)					
160, 000	Bidwell, Jason A., and Jerome N. B. Jaquith, assignors to Union Steel Screw Company, Cleveland, Ohio. Mechanism for shaving, nicking, and reshaving wood-screw blanks.....	Feb. 23, 1875	747	{ 247 } { 248 }	7	307
163, 043	Bidwell, Susan, James, and Arthur, London, England. Tooth-brush.....	May 11, 1875	305	99	7	794
166, 219	Biedenfeld, Thalberg, New York, N. Y. Medical composition.....	Aug. 3, 1875	58	.....	8	207
169, 404	Bieder, Jacob, Ashtabula, Ohio. Baker's oven.....	Nov. 2, 1875	78	21	8	45
162, 607	Biedinger, Charles G., Cincinnati, Ohio. Rotary paper-cutter.....	Apr. 27, 1875	950	308	7	721
	Biedler, George A. (See Hopkins & Biedler.)					
160, 048	Bierce, C. A., <i>et al.</i> (See Starkweather, John B., assignor.)					
168, 130	Biering, Robert, New York, N. Y. Bustle.....	Feb. 23, 1875	791	261	7	313
	Same.....	Sept. 28, 1875	726	{ 228 } { 229 }	8	531
170, 807	Same.....	Dec. 7, 1875	138	46	8	909
171, 086	Same.....	Dec. 14, 1875	408	134	8	1012
	Biester, Rudolph, Chicago, Ill. Throttle-valve.....					
	Bigelow, Charles D. (See Tyson, Charles, assignor.)					
165, 060	Bigelow, Charles D., Brooklyn, N. Y., assignor to Bay State Shoe and Leather Company, Worcester, Mass. Sole-edge machine.....	June 29, 1875	1163	375	7	1121
167, 152	Bigelow, Erastus B., Boston, Mass. Loom for weaving piled fabrics.....	Aug. 31, 1875	971	302	8	360
	Bigelow, John, trustee. (See Blanchard, Helen A., assignor.)					
169, 512	Bigelow, John K., Springfield, Mass. Watch.....	Nov. 2, 1875	170	57	8	753
161, 199	Bigelow, Jonah H., assignor to National Manufacturing Company, Worcester, Mass. Wire stand.....	Mar. 23, 1875	883	290	7	495
169, 617	Biggerstaff, John, assignor to self and Thomas A. Gillespie, Pittsburgh, Pa. Hand-truck.....	Nov. 9, 1875	292	94	8	781
158, 459	Bigin, Michael, Marr, assignor of one-half interest to M. F. Reap, Pleasant Valley, Pa. Scrubbing brush.....	Jan. 5, 1875	94	32	7	22
	Bilbrough, Joseph. (See Stamon, John B., assignor.)					
158, 669	Bilgram, Hugo, Philadelphia, Pa. Cut-off-valve gear.....	Jan. 12, 1875	298	101	7	66
164, 132	Same.....	June 8, 1875	280	96	7	980
165, 701	Bilharz, Candidus, Pittsylvania Court-House, Va. Dental plugger.....	July 26, 1875	565	172	8	110
161, 144	Billingham, Francis, New York, N. Y. Sign.....	Apr. 20, 1875	514	169	7	657
F 5, 405	Billings, Charles E., Hartford, Conn. Shuttle for sewing machines.....	July 13, 1875	276	82	8	53
169, 335	Same.....	Nov. 2, 1875	11	3	8	736

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 563	Billings, Charles H., La Grange, Ind. Pruning-shears.	Mar. 9, 1875	289	98	7	399
	Billings, Coburn & Co. (See Stevens, John L., assignor.)					
165, 978	Billings, Louis C., Milford, N. H. Machine for balling yarn.	July 27, 1875	846	260	8	161
170, 931	Billings, Uriah, Cambridgeport, Mass. Horseshoe-machine.	Dec. 14, 1875	262	87	8	993
168, 602	Billington, Theophilus, Wetherford, Tex. Beefsteak-tenderer.	Oct. 11, 1875	286	93	8	612
158, 892	Billmeyer, Charles, York, Pa. Car-coupling.	Jan. 19, 1875	519	173	7	111
160, 147	Bilyen, Peter, sr., Moweaqua, Ill. Land-roller.	Feb. 23, 1875	874	259	7	335
166, 333	Binder, Anton, Lehigh Tannery, Pa. Coru-plow.	Aug. 3, 1875	135	42	8	218
161, 379	Bingham, Albert D., Nashua, N. H. Machine for making horseshoe-nails.	Mar. 30, 1875	1082	350	7	528
6, 478	Bingham, Osmore A., Keeco, N. H., assignor to George C. Winchester, Ashburnham, Mass. Tilting chair.					
	(Reissue.)					
162, 888	Bingham, Thomas, Pittsburgh, Pa. Air-pump faucet.	June 8, 1875	496	163	7	1008
159, 886	Bingham, William E., Decatur, Ill. Hog-ringing nippers.	May 4, 1875	137	45	7	705
160, 564	Binney, Josephine, Boston, Mass. Picture-holder.	Feb. 16, 1875	626	207	7	283
162, 145	Binns, Edward, and Elmore A. Barnes, Pittsburgh, Pa. Casting shovel-blanks.	Mar. 9, 1875	290	98	7	399
	Apr. 20, 1875	514	169	7	657	
	Birch, A. P., et al. (See Clem, James M., assignor.)					
	Birch, George A., et al. (See Clem, James M., assignor.)					
160, 506	Birchard, J. F., Milwaukee, Wis. Folding extension-table.	Mar. 9, 1875	239	82	7	391
163, 725	Birehler, Joseph M., Chicago, Ill. Extensible fire-ladder.	May 25, 1875	956	303	7	903
159, 787	Bird, Charles, Lower Merion Township, and William H. Sullenberger, assignors to selves and Caleb H. Jackson, Harrisburgh, Pa. Car-pusher.	Feb. 16, 1875	532	177	7	271
158, 776	Bird, James A. T., Chicago, Ill. Switch-signal.	Jan. 19, 1875	411	138	7	97
160, 640	Bird, John, Jersey City, N. J. Valve for street water-mains.	Mar. 9, 1875	354	119	7	408
163, 969	Bird, Joseph C., assignor of one-half interest to Edwin Martin, Rising Sun, Md. Lifting-jack.	June 1, 1875	107	36	7	946
162, 266	Bird, Robert B., Madison, Wis. Sled-runner.	Apr. 20, 1875	628	204	7	672
	Bird, Stephen. (See Beck & Bird)					
	(Design.)					
161, 656	Birdsall, William J., Naugatuck, Conn. Vulcanizing apparatus.	Apr. 6, 1875	59	21	7	577
8, 845	Birge, Isidore, Philadelphia, Pa. Paper box.	Dec. 14, 1875			8	988
162, 017	Birge, William H., Hartford, Conn. Door-bolt.	Apr. 13, 1875	381	128	7	633
160, 383	Birkenhead, John, Mansfield, Mass. Bobbin for spinning.	Mar. 2, 1875	111	40	7	364
167, 052	Birkey, John Q., Philadelphia, Pa. Gas-stove.	Aug. 24, 1875	860	267	8	346
163, 912	Birmeli, Daniel, Greenville, N. J. Letter and picture block.	June 1, 1875	62	21	7	939
165, 409	Birningham, George W., New York, N. Y. Device for regulating car-ventilators.	July 13, 1875	343	110	8	62
	Birner, George. (See Russell & Birner.)					
165, 131	Bisel, Joseph J., Lewisburgh, Pa. Revolving dry-goods stand.	Sept. 28, 1875	727	220	8	532
165, 979	Bishop, Charles C., Georgetown, D. C. Washing-machine.	July 27, 1875	848	261	8	161
	Bishop, E. D. (See Appleby, John F., assignor.)					
161, 588	Bishop, George G., assignor to Union Manufacturing Company, Norwalk, Conn. Cloth-frizing machine.	Apr. 6, 1875	2	1	7	569
165, 657	Same..... same	July 20, 1875	526	161	8	105
162, 457	Bishop, George W., and David B. Sherman, said Bishop assignor to Fayette Barney, Castleton, Vt. Combined hay-tumbler and horse-rake.	Apr. 27, 1875	832	268	7	705
166, 843	Bishop, Joaquin, Saginaw, assignor to Samuel S. White, Philadelphia, Pa. Electro-magnetic dental engine.	Aug. 17, 1875	635	198	8	307
171, 087	Same..... Electro-magnetic engine.	Dec. 14, 1875	466	135	8	1012
160, 565	Bishop, Thomas B., Washington, D. C. Horseshoe.	Mar. 9, 1875	290	98	7	399
158, 893	Bissell, David, Detroit, Mich. Arm-fracture apparatus.	Jan. 19, 1875	519	174	7	111
158, 894	Same..... Fracture-box for legs.	Jan. 19, 1875	520	{ 174 } { 175 }	7	111
159, 295	Same..... Boot-leg-turning machine.	Feb. 2, 1875	47	17	7	191
6, 407	Bissell, Frank S., Pittsburgh, Pa. Grate.	May 4, 1875	241	77	7	719
161, 470	Same..... Foot for fenders, &c.	Mar. 30, 1875	1163	374	7	559
164, 418	Same..... Shutter for grates.	June 15, 1875	565	183	7	1026
	Bissicks, Samuel. (See Donnelly, Peter D., assignor.)					
164, 513	Bitler, James S., Delaware, Ohio. Sad-iron heater.	June 15, 1875	645	209	7	1036
169, 618	Bitner, David P., Lancaster, Pa. Shute for discharging coal from vessels.	Nov. 9, 1875	293	95	8	782
169, 078	Bitner, Eli S., Lock Haven, Pa. Refrigerator.	Oct. 26, 1875	748	244	8	693
171, 262	Bittenbender, Jonas, Beaver Valley, Pa. Sash-fastener.	Dec. 21, 1875	606	198	8	1046
	Bitter, Charles F., et al. (See Clark, George, assignor.)					
163, 726	Bitting, Joseph N., sr., Camden, N. J. Rudder-post bearing.	May 25, 1875	952	303	7	903
160, 675	Bixby, Orin S., Syracuse, N. Y. Securing pins to artificial teeth.	Feb. 23, 1875	816	268	7	316
163, 970	Bizzell, William B., assignor to self and W. H. Hardee, La Grange, N. C. Saw-filing machine.	June 1, 1875	108	37	7	946
	Black, Alexander. (See Opperman & Black.)					
	Black, Henry H. (See Livesay & Black.)					
166, 332	Black, James F., Oshkosh, Wis. Harvester-reel.	June 22, 1875	994	294	7	1050
170, 922	Black, James T., and Job Truax, Mount Union, Pa. Meat-pounder.	Aug. 3, 1875	134	42	8	218
170, 923	Black, John Q., Sextonville, Wis. Cheese-preserver.	Nov. 23, 1875	906	282	8	876
160, 254	Same..... same	Nov. 23, 1875	907	282	8	876
159, 146	Black, Llewellyn L., Lowell, Mass., assignor to self and George B. Hart, Sandwich, N. H. Dough-kneading machine.	Mar. 2, 1875	2	1	7	349
166, 959	Black, William K., assignor to Joseph Harvey and William Adamson, Philadelphia, Pa. Clay pipe and apparatus for molding the same.	Jan. 26, 1875	778	255	7	153
166, 960	Black, William M., Lancaster, Ohio. Draw-bridge.	Aug. 24, 1875	762	230	8	333
159, 632	Same..... Truss-bridge.	Aug. 24, 1875	763	236	8	333
170, 224	Blackford, Albert, Marlborough, Ohio, and George McMullen, Lancaster, Pa. Track-clearer.	Feb. 9, 1875	365	122	7	243
171, 499	Blackford, Charles D., Hamilton, Canada. Head-rest for corpses.	Nov. 23, 1875	908	283	8	876
160, 566	Blackie, Stephen, assignor of one-half interest to Robert Charles, Saint Louis, Mo. Hydrant.	Dec. 25, 1875	839	275	8	1085
167, 871	Blackman, Albert L., Nashville, Tenn. Machine for swaging car-wheels.	Mar. 9, 1875	291	99	7	399
168, 534	Blackman, Ebenezer, Brooklyn, N. Y. Lamp.	Sept. 21, 1875	467	148	8	482
163, 150	Same..... Gas-burner.	Oct. 11, 1875	236	78	8	605
163, 727	Blackman, John F., Brooklyn, N. Y. Machine for carrying wood.	July 6, 1875	4	2	8	9
164, 419	Blackman, William B., Ansonia, Conn. Sash-holder.	May 25, 1875	959	304	7	903
163, 913	Blackmore, Henry, Pittsburgh, Pa. Car-coupling.	June 15, 1875	566	184	7	1026
161, 093	Blackwood, Clinton R., New York, N. Y. Fastening for hats.	June 1, 1875	63	21	7	939
165, 702	Blades, Leonard J., Brston, Mass. Ticket-case.	Mar. 23, 1875	793	260	7	483
165, 202	Same..... Ticket-stamp.	July 20, 1875	566	173	8	111
6, 510	Blair, John, Boston, Mass. Brush-binder.	July 6, 1875	60	17	8	17
	Blair, John B., Philadelphia, Pa., assignor, by mesne assignments, to Rubber Tip Pencil Company, New York, N. Y. Rubber eraser for lead-pencils.					
	(Reissue.)					
159, 492	Blair, La Fayette, Painesville, Ohio. Fifth-wheel for vehicles.	June 29, 1875	1241	399	7	1132
	Blaisdell, James. (See Galt & Blaisdell.)					
162, 343	Blaisdell, John H., Philadelphia, Pa. Molding-machine.	Apr. 20, 1875	696	226	7	680

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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162, 889	Blaise, George F., assignor to Benjamin Thackara, William J. Buck, John H. Southworth, Charles Thackara, and Byron H. Buck, Philadelphia, Pa. Drop-light chandelier.	May 4, 1875	138	45	7	765
159, 381	Blake, Andrew M., Canton, Ohio. Lamp.	Feb. 2, 1875	124	43, 44	7	201
	Blake Brothers Hardware Company. (See Blake, George A., assignor.) (Design.)					
	Same..... (See Pomeroy, H. Sterling, assignor.)					
	Same..... (See Steele, Elbridge J., assignor.) (Design.)					
6, 720	Blake, Clinton H., et al. (See Russell, Asa C., assignor.)					
	Blake, Edward S., Pittsburgh, Pa., assignor to Abner A. Griffing. Stove-pipe drum. (Reissue)	Nov. 2, 1875	273	88	8	771
8, 771	Blake, George A., assignor to Blake Brothers Hardware Company, New Haven, Conn. Sash-pulley..... (Design.)	Nov. 9, 1875			8	776
168, 217	Blake, George W., New York, N. Y. Hanger for steam and gas pipes.....	Sept. 23, 1875	801	255	8	543
170, 808	Same..... Air-vent for steam radiators.....	Dec. 7, 1875	139	46	8	969
163, 354	Blake, Henry H., Pittsburgh, Pa. Elevator.....	May 18, 1875	611	195	7	850
159, 382	Blake, Henry T., New Haven, Conn. Key-hole escutcheon.....	Feb. 2, 1875	125	44	7	202
160, 148	Same..... Cap for wood-screws.....	Feb. 23, 1875	875	289	7	325
165, 061	Same..... Covering-plate for hinges.....	June 29, 1875	1164	375	7	1121
166, 064	Blake, John E., Sewickley, Pa. Ore and stone crusher.....	July 27, 1875	923	285	8	171
165, 404	Blake, Josiah A., Providence, R. I. Machine for checking gun-stocks.....	July 13, 1875	275	81	8	53
159, 015	Blake, Lyman R., Brooklyn, N. Y., and Gordon McKay, Cambridge, Mass. Shoe-nail blank.....	Jan. 26, 1875	665	217	7	137
165, 470	Blake, Lyman R., Brooklyn, N. Y. Nail for shoemaking.....	July 13, 1875	344	100	8	62
168, 603	Blake, Theodore A., San Francisco, Cal. Hydraulic-lift dry-dock.....	Oct. 11, 1875	286	93	8	612
166, 494	Blake, Theophilus, Fisherville, N. H. Loom shuttle-binder.....	Aug. 10, 1875	1010	93	8	250
161, 321	Blake, Thomas J., Pittsburgh, Pa. Loom.....	Mar. 30, 1875	3123	313	7	521
162, 146	Same..... Manufacture of shovels.....	Apr. 20, 1875	515	170	7	457
	Blakey, Jos., et al. (See McNabb, James, assignor.)					
168, 315	Blakely, Frederick L., Clinton, Iowa. Lap-robe.....	Oct. 5, 1875	2	1	8	565
165, 961	Blakely, James, Springfield, Ohio. Cupola furnace.....	July 27, 1875	849	261	8	161
170, 151	Blakeslee, John R., Brooklyn, assignor to F. C. Mills and Peter and Rudolph P. Gerlach, Cleveland, Ohio. Machine for making bolts, rivets, &c.....	Nov. 23, 1875	843	264	8	867
160, 868	Blakeslee, Owen B., Rankin, Ill. Windmill.....	Mar. 16, 1875	580	189	7	416
162, 016	Blakesley, Gilbert H., Bristol, Conn. Clock-striking mechanism.....	Apr. 13, 1875	381	128	7	633
169, 229	Blakesley, Gilbert H., and Julius Wright, Bristol, Conn. Garter.....	Oct. 26, 1875	885	287	8	713
166, 449	Blakey, Mildred, assignor of one-third interest to John L. Robertson, Etna, Pa. Machine for welding and finishing pipes.....	Aug. 10, 1875	273	82	8	245
	Blamires, Henry. (See Blamires & Marsden.)					
164, 796	Blamires, Thomas H., and Henry and Harry Marsden, Huddersfield, England. Carding-machine.....	June 22, 1875	906	{ 294 } { 295 }	7	1080
163, 971	Blanc, Frederic M., assignor of one-half interest to Thomas V. Pursell, Winchester, Va. Poultry-coop.....	June 1, 1875	109	37	7	946
161, 471	Blanchard, Helen A., Boston, Mass. Sewing-machine.....	Mar. 30, 1875	1163	375	7	539
161, 472	Same..... same.....	Mar. 30, 1875	1165	375	7	539
162, 019	Same..... Elastic seam for garments.....	Apr. 13, 1875	382	128	7	633
167, 732	Same..... Elastic gorring for shoes.....	Sept. 16, 1875	323	103	8	459
167, 492	Blanchard, Helen A., assignor to John Bigelow, trustee, Boston, Mass. Method of uniting knit goods.....	Sept. 7, 1875	96	30	8	420
168, 709	Blanchard, James M., Washington, D. C. Paper-fastener.....	Oct. 11, 1875	380	124	8	626
	Bland, Richard D. (See Winzer & Bland.)					
160, 001	Blanding, Francis, assignor to self and Thomas B. Wattles, Canton, Mass. Loom-shuttle.....	Feb. 23, 1875	752	248	7	307
161, 094	Blank, Bart. M. J., Jersey City Heights, N. J., assignor to Charles Kohlman, New York, N. Y. Lock for pocket-books.....	Mar. 23, 1875	794	260	7	483
165, 203	Blank, Bart. M. J., Jersey City Heights, N. J., assignor to Morris Reubens, New York, N. Y. Pocket-book frame.....	July 6, 1875	61	17	8	17
170, 983	Same..... Leather-dressing machine.....	Dec. 14, 1875	316	105	8	1000
167, 427	Blass, Leonard, Germantown, N. Y. Strainer for pumps.....	Sept. 7, 1875	46	13	8	412
169, 945	Blatellford, George, Mitchell, Canada. Reed-organ.....	Nov. 16, 1875	632	196	8	841
164, 133	Blatchly, Stephen W., Dickson City, Pa. Folding and sliding ten-foot pole.....	June 8, 1875	281	96	7	980
170, 809	Blatherwick, Nelson J., Chicago, Ill. Horseshoe.....	Dec. 7, 1875	140	46	8	969
165, 403	Blatt, John B., Reading, Pa. Spoke-socket.....	July 13, 1875	274	81	8	53
163, 044	Blauvelt, Jacob, Blauveltville, N. Y. Step-ladder.....	May 11, 1875	306	98	7	794
158, 460	Blazieck, Felix, and Georg W. M. Bauer, Vienna, Austria. Furnace and heater.....	Jan. 5, 1875	95	32	7	22
165, 204	Blleoch, George H., Springfield, Mass. Sewing-machine needle.....	July 6, 1875	61	18	8	17
162, 267	Blley, Albert T., Conception, Mo. Detachable ash-pan for stoves.....	Apr. 20, 1875	629	205	7	672
	Bliss, Charles F., et al. (See Ewald, Robert, assignor.)					
167, 428	Bliss, Egerton A., Jersey City, N. J. Clasp for lady's dress-supporter.....	Sept. 7, 1875	46	13	8	412
162, 524	Bliss, Francis D., assignor of one-half interest to C. W. Tuttle, New Haven, Conn. Dust-pan.....	Apr. 27, 1875	891	285	7	712
	Bliss, George, et al. (See Stout, George H., assignor.)					
161, 856	Bliss, George H., West Stockbridge, Mass. Broiler.....	Apr. 13, 1875	242	81	7	615
161, 857	Same..... Machine for trimming and burnishing the edges of boot and shoe heels, &c.....	Apr. 13, 1875	243	81	7	615
161, 858	Same..... Heel and sole trimming machine.....	Apr. 13, 1875	245	82	7	615
	Bliss, Jeremy W. (See Orgill, John, assignor.)					
161, 740	Bloch, George D., Martinsburgh, W. Va. Adjustable hydrant.....	Apr. 6, 1875	132	45	7	588
158, 461	Block, George, Newport, Ky. Sectional mattress.....	Jan. 5, 1875	96	33	7	42
168, 710	Blodget, Gardner A., Elmira, N. Y. Adjustable screen-holder.....	Oct. 11, 1875	381	124	8	646
168, 446	Blodget, Henry T., assignor to self and Charles W. Holden, Boston, Mass. Bird-guard for buildings.....	Oct. 5, 1875	111	38	8	581
170, 512	Blodgett, John W., Nashville, Tenn. Rotary engine.....	Nov. 30, 1875	1184	373	8	923
	Blodgett, Miles. (See Mower, Henry, assignor.)					
159, 887	Blonde, Victor G., Parkersburg, W. Va. Treating oils.....	Feb. 16, 1875	627	208		283
163, 844	Blomquist, Carl A., La Porte, Ind. Station-indicator.....	June 1, 1875	8	3	7	931
	Blondin, Joseph G. (See Adams & Blondin.)					
158, 462	Blood, Edwin J., Vernon, Wis., and Albert D. Hager, Chicago, Ill. Harvester-cutter.....	Jan. 5, 1875	97	33	7	23
169, 946	Same..... Corn-harvester.....	Nov. 16, 1875	632	196	8	832
	Blood, Frank A., et al. (See Herrick, George, assignor.)					
169, 405	Blood, James M., Denver, Colo. Door-spring.....	Nov. 2, 1875	78	24	8	745
166, 065	Blood, John D., and George Topping, assignors to John D. Blood, Henry Herrick, and George Topping, Amsterdam, N. Y. Corn-broom machine.....	July 27, 1875	924	286	8	172
163, 972	Bloomer, William, assignor to Thomas Van Dyke and William W. Downs, New York, N. Y. Clothes-drier.....	June 1, 1875	110	37	7	946
159, 296	Bloss, Josiah, and Elisha J. White, Wilkesbarre, Pa. Mining apparatus.....	Feb. 2, 1875	48	17	7	191
	Blossom, Charles C. (See Gardner & Blossom.)					

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. gr.	Vol.	Page.
168, 604	Blossom, Edwin F., and George H. Clark, Beverly, Mass. Insole.....	Oct. 11, 1875	287	93	8	612
164, 514	Blowney, Henry J., South Bend, Ind. Sign.....	June 15, 1875	616	809	7	1036
162, 344	Blum, Reinard, Champaign, Ill. Magazine-stove.....	Apr. 20, 1875	697	827	7	680
162, 345	Blume, William M., Brooklyn, N. Y. Street-sweeping machine.....	Apr. 20, 1875	698	827	7	680
170, 984	Blundell, Henry, Providence, R. I. Screw-die press.....	Dec. 14, 1875	317	105	8	1600
150, 067	Blunt, John G., et al. (See Smith, Roswell T., assignor.) (Reissue.)	Jan. 26, 1875	708	233	7	143
8, 740	Blymyer, John S. (See Lippy, David, assignor.)					
167, 979	Blythe, James E., Saint Louis, Mo. Calendar..... (Design.)	Oct. 19, 1875			8	645
165, 533	Boag, Alexander, Grand Rapids, Mich. Marble cement.....	Sept. 21, 1875	549		8	501
	Boag, Alexander, assignor of seven-eighths interest to Oliver P. Coats, Jackson, Mich. Composition for stone cement.....	July 13, 1875	398		8	71
163, 140	Boal, James D. (See Gillen, William S., assignor.)					
	Boal, William K., et al. (See Davis, William C., assignor.) (Design.)					
	Boardman, John H., Baltimore, Md. Tank for retailing coal-oil.....	May 11, 1875	391	126	7	806
	Boardman, William Y. A. (See Mann & Boardman.)					
168, 132	Bobbit, Creed. (See Bridges, Christopher M., assignor.)					
	Bobet, Adolph L., assignor of one-half interest to George Nolan, San Francisco, Cal. Beer-faucet.....	Sept. 28, 1875	728	229	8	532
158, 355	Bobo, Angus L., New York, N. Y. Store-stool.....	Jan. 5, 1875	5	2	7	9
162, 826	Boch, Nicholas, Brooklyn, N. Y. Process of manufacturing porcelain door-knobs.....	Oct. 19, 1875	496	162	8	651
160, 300	Bocquet, Jean F., and Victor A. Bérard, Paris, France. Peat-molding machine.....	Mar. 2, 1875	37	14	7	354
170, 334	Boda, Abia Z. (See Boda, William J., assignor.)					
	Boda, Abia Z., assignor of one-half interest to William J. Boda, Dayton, Ohio. Woven-wire mattress.....	Nov. 23, 1875	1005	315	8	890
162, 890	Boda, William J. (See Boda, Abia Z., assignor.)					
170, 333	Boda, William J., assignor to self and Abia Z. Boda, Dayton, Ohio. Extension-table slide.....	May 4, 1875	139	45	7	765
	Boda, William J., assignor of one-half interest to Abia Z. Boda, Dayton, Ohio. Frame for woven-wire mattresses.....	Nov. 23, 1875	1004	315	8	890
161, 473	Bodel, Louis G., Jacques Masse, and William Webster, Paris, France. Machine for numbering, embossing, and inking bonds, &c.....	Mar. 30, 1875	1166	375	7	539
169, 774	Same..... Velocipede.....	Nov. 9, 1875	458	145	8	802
170, 932	Bodenhamer, Levi I., Kernersville, N. C. Bale-tie and hoop-lacer.....	Dec. 14, 1875	263	87	8	993
164, 961	Bodenhamer, William H., Xenia, Kans. Car-coupling.....	June 29, 1875	1083	348	7	1110
	Bodine, J. H. (See Standish, Philander H., assignor.)					
	Bodwell, Ann E. (See Westgate, Joseph C., assignor.)					
171, 546	Boe, John, Mount Vernon, N. Y. Machine for boring blind-stiles.....	Dec. 28, 1875	879	287	8	1091
159, 888	Boehmer, William, Madison, Wis. Stove-drum.....	Feb. 16, 1875	628	208	7	283
	Boeklen, Reinhold. (See Litchfield & Boeklen.)					
6, 584	Boeklen, Reinhold, Brooklyn, N. Y. Apparatus for emptying water-closets, &c. (Reissue).....	Aug. 10, 1875	471	144	8	273
167, 384	Same..... Apparatus for emptying sewers and sinks.....	Sept. 7, 1875	3	1	8	407
	Boell, Edward A. (See Lyman & Boell.)					
162, 608	Boettcher, John G. L., Brooklyn, N. Y. Faucet.....	Apr. 27, 1875	961	309	7	721
164, 797	Same..... Preserving effervescent liquids.....	June 24, 1875	907	295	7	1081
171, 344	Same..... Stop-cock.....	Dec. 21, 1875	673	222	8	1055
	Bogardus, F. P. (See Curtis, Henry M., assignor.)					
167, 636	Bogen, George, jr., Cincinnati, Ohio. Lard drier and cooler.....	Sept. 14, 1875	241	75	8	447
168, 218	Boggs, Francis H., Montgomery Township, Ill. Churn.....	Sept. 28, 1875	803	256	8	543
164, 255	Bogia, Matthew C., Philadelphia, Pa. Culinary apparatus.....	June 8, 1875	393	133	7	995
	Bogle, James S. (See Patric & Bogle.)					
162, 609	Bogle, James S., assignor to Thomas, Ludlow & Rodgers, Springfield, Ohio. Cider and wine press.....	Apr. 27, 1875	961	309	7	721
6, 792	Bogy, John L., Saint Genevieve, Mo. Surveying instrument..... (Reissue.)	Dec. 14, 1875	531	175	8	1028
169, 137	Bohanon, Clintout and John Brookline, N. H. Burglar-alarm.....	Oct. 26, 1875	806	261	8	701
	Bohanon, John. (See Bohanon, Clinton and John.)					
166, 742	Bohart, John N., Denison, Tex. Beer-refrigerator.....	Aug. 17, 1875	550	169	8	293
164, 962	Bohm, Henry E., Herman Stulr, and Peter J. Joecken, Cleveland, Ohio. Oiler.....	June 29, 1875	1083	349	7	1110
168, 867	Bohn, Emil F., Clinton, Iowa. Relishing-machine.....	Oct. 19, 1875	531	174	8	656
167, 733	Boice, Garret S., Jersey City, N. J. Tooth-pick.....	Sept. 14, 1875	323	103	8	459
168, 365	Boies, Henry M., Scranton, Pa. Process for manufacturing paper tubing.....	Oct. 5, 1875	44		8	570
168, 366	Same..... Paper-tube machine.....	Oct. 5, 1875	44	15, 16	8	571
168, 367	Same..... Compound flexible paper tubing.....	Oct. 5, 1875	45	16	8	571
162, 525	Boivin, Guillaume, Montreal, Canada. Stiffener for boots and shoes.....	Apr. 27, 1875	892	285	7	713
158, 463	Boland, Mathew F., Philadelphia, Pa. Attachment of bells to hames.....	Jan. 5, 1875	97	33	7	23
158, 895	Bole, John, Pittsburgh, Pa. Piston-packing.....	Jan. 19, 1875	523	175	7	112
	Bolen, Charles M., et al. (See Cranc, Thomas S., assignor.)					
	Bolen, John A. (See Manchester & Bolen.)					
	Bolender, Daniel. (See Klingler, Bolender & Stem.)					
169, 947	Bolender, Frederick, Cincinnati, Ohio. Tuyere.....	Nov. 16, 1875	633	197	8	832
	Bolender, Harrison W. (See Shecker & Bolender.)					
162, 346	Bollerman, Richard, and Dominik L. Bollermann, New York, N. Y. Bottle-stopper.....	Apr. 20, 1875	699	227	7	....
	Bollermann, Dominik L. (See Bollerman & Bollermann.)					
	Bolles, Luzerne M. (See Bellinger, Bolles & Fryer.)					
	Bolles, Nelson B. (See Chapman, Frank, assignor.)					
163, 914	Bollinger, Oliver J., York, Pa. Water-wheel.....	June 1, 1875	63	21	7	939
166, 250	Bolt, Joseph, Warsaw, Ill. Wagon-rack.....	Aug. 3, 1875	59	18	8	207
170, 985	Bolt, Joseph, Benicia, Cal. Sleeping-car.....	Dec. 14, 1875	318	105	8	1000
166, 743	Bolthoff, Henry, assignor to self and Charles F. Hendrie, Central City, Colo. Wet and dry ore crusher.....	Aug. 17, 1875	551	169	8	294
163, 446	Bolton, Festus C., and Michel Adams, Cleveland, Ohio. Railway-signal.....	May 18, 1875	687	220	7	861
163, 447	Bolton, Henry, Brantford, Canada. Spring-motor.....	May 18, 1875	688	220	7	861
169, 079	Bolton, James, Chicago, Ill., assignor to Singer Manufacturing Company, New York, N. Y. Shuttle carrier or driver for sewing-machines.....	Oct. 26, 1875	748	244	8	693
171, 263	Same..... Ruffler for sewing-machines.....	Dec. 21, 1875	606	198	8	1046
168, 368	Bolton, Lewis E., Des Moines, Iowa. Hinge.....	Oct. 5, 1875	46	16	8	571
8, 693	Bolton, Mahlon, jr., assignor to William H. Lehman and Mahlon Bolton, jr., Philadelphia, Pa. Border of a pictorial card..... (Design.)	Oct. 5, 1875			8	561
167, 734	Boluss, Alfred R., assignor to Wilder, Bolus & Co., Cincinnati, Ohio. Roll for rolling metal.....	Sept. 14, 1875	324	103	8	459
162, 739	Bonaventure, Edmund F., New York, N. Y. Milling-tool.....	May 4, 1875	4	2	7	747
160, 002	Bond, Amos, Vernon, Conn. Apparatus for pisciculture.....	Feb. 23, 1875	753	249	7	307
168, 555	Bond, Jacob, Cleveland, Ohio. Dumping wagon.....	Oct. 11, 1875	237	78	8	605
169, 948	Same..... Vehicle-seat.....	Nov. 16, 1875	634	197	8	852
159, 016	Bond, Joseph L., Port Huron, Mich. Pawl-and-ratchet mechanism.....	Jan. 26, 1875	666	217	7	137

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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165, 296	Bond, Nathan O., Fairfax Court-House, Va. Wash-stand.	July 6, 1875	138	41, 42	8	93
166, 680	Bond, Oliver, Milwaukee, Wis. Sieve	Aug. 17, 1875	489	149	8	285
165, 471	Bond, Sobieski L., Columbia, S. C. Vegetable-wheel	July 13, 1875	344	101	8	62
	Bond, William H. (See Aldrich, George W., assignor.)					
	Bonfield, Joseph F. (See Bowers, George A., assignor.)					
169, 020	Bonfils, Paul, assignor to Charles A. Marsh, North Attleborough, Mass. Toy watch.	Apr. 13, 1875	383	128	7	633
165, 437	Bonker, George, Port Jervis, N. Y. Exhaust mechanism	July 13, 1875	307	91	8	57
169, 230	Bonnell, David, Saint Joseph, Mich. Drying-kiln	Oct. 26, 1875	885	288	8	713
8, 793	Bonnet, John J., Quincy, Ill. Stove (Design).	Nov. 16, 1875			8	819
	Bonney, Josiah S. (See Brightman, Albert, assignor.)					
171, 467	Bonney, Lydia P., assignor to Agnes Ryan, Chicago, Ill. Under-garment.	Dec. 23, 1875	802	264	8	1081
6, 340	Bonney, Olpha, San Francisco, Cal. Band sawing-machine (Reissue).	Mar. 23, 1875	1007	328	7	511
170, 513	Bonney, William A., Hyde Park, assignor to Daniel Swett, Wakefield, and Samuel D. Niles, Reading, Mass. Ink-powder	Nov. 30, 1875	1185		8	923
	Bonsall, Charles. (See Brooks, Stephen H., assignor.)					
160, 255	Bonsall, Jonathan, Philadelphia, Pa. Shutter-worker	Mar. 2, 1875	3	1	7	349
166, 334	Bonta, James W., New Brighton, Pa. Chain	Aug. 3, 1875	136	42	8	218
166, 335	Same. Furnace for blanks	Aug. 3, 1875	137	42	8	218
166, 336	Same. same	Aug. 3, 1875	138	43	8	219
170, 045	Bonwill, William G. A., Philadelphia, Pa. Electro-magnetic dental plugger	Nov. 16, 1875	713	226	8	643
169, 773	Boolsen, Friderikka, assignor of one-half interest to Charles H. Vandewater, Saint Louis, Mo. Fire-kindler	Nov. 9, 1875	458	145	8	802
170, 467	Boomer, George B., Syracuse, N. Y. Press	Nov. 30, 1875	1141	359	8	917
				360		
169, 231	Boon, Alonzo T., Chicago, Ill. Seal-lock	Oct. 26, 1875	886	288	8	713
170, 152	Boon, Willard S., Alpena, Mich. Sifting-scoop	Nov. 23, 1875	844	264	8	867
	Boone, John L. (See Hall, John S., assignor.)					
167, 637	Boone, Joseph K., Booneville, Mo. Composition for preserving eggs	Sept. 14, 1875	242		8	447
164, 711	Boone, Lewis, Buffalo, N. Y. Gas-extinguisher for street-lamps	June 22, 1875	834	271	7	1071
	Booth, Benjamin F. (See Dobus & Booth.)					
	Booth, Charles L., et al. (See Hardy, Franklin D., assignor.)					
	Same. (See Hardy, Dexter D., assignor.)					
171, 211	Booth, Ezra, Columbus, Ohio. Running-gear for vehicles	Dec. 21, 1875	557	183	8	1039
167, 735	Booth, George, Philadelphia, Pa. Cuspadore	Sept. 14, 1875	325	103	8	459
164, 256	Booth, John, Lincoln, assignor of one-half interest to Francis J. Rabbeth, Pawtucket, R. I. Means for securing spinning-rings to their rails	June 8, 1875	394	134	7	995
170, 335	Booth, William S., Baton Rouge, La. Stage plank and carrier	Nov. 23, 1875	1005	315	8	890
170, 046	Bopp, Christ, assignor to self and Joseph H. Swift, Green Point, N. Y. Box-trimming machine	Nov. 16, 1875	714	227	8	843
159, 748	Borchardt, Hugo, New Haven, Conn. Bullet-patching machine	Feb. 16, 1875	496	166	7	266
	Borden, Bradford, et al. (See Card, Edward, assignor.)					
160, 641	Borel, George W., assignor to Robert Wood, Philadelphia, Pa. Opera-chair	Mar. 9, 1875	355	120	7	409
	Borer, Jerome. (See King, William H., assignor.)					
161, 005	Borger, Henry, Urbana, Ohio. Plow-standard	Mar. 23, 1875	794	260	7	483
				161		
159, 633	Borgfeldt, Nicholas H., New York, N. Y. Pulley	Feb. 9, 1875	366	122	7	243
169, 138	Same. Folding lounge	Oct. 26, 1875	806	262	8	701
169, 767	Borgman, Martin V., and William F. Lamson, Detroit, Mich. Cradle	Nov. 9, 1875	454	143	8	802
166, 584	Born, David and David F., Fulton, Ohio. Washing-machine	Aug. 10, 1875	382	118	8	261
	Born, David F. (See Born, David and David F.)					
6, 815	Born, Peter, New York, N. Y., assignor, by mesne assignments, to Edward W. Vail. Folding chair (Reissue).	Dec. 21, 1875	789	261	8	1070
170, 618	Bort, Bruce C., Chateaugay, N. Y. Milk-cooler	Nov. 30, 1875	1287	407	8	936
161, 741	Bortree, Moses K., Jackson, Mich. Corset-box	Apr. 6, 1875	132	45	7	588
164, 515	Same. Bustle	June 15, 1875	647	209	7	1036
165, 534	Same. Corset	July 13, 1875	398	119	8	71
169, 232	Boschen, John H., New York, N. Y. Dry stench-trap	Oct. 26, 1875	887	288	8	713
163, 045	Bosque, Antoine, Paris, France. Apparatus for capsuling bottles	May 11, 1875	306	98	7	794
167, 059	Boss, Martin P., Virginia City, Nev. Distributing quicksilver in quartz-mills	Aug. 24, 1875	860	268	8	446
	Bosson, William, et al. (See Horton, William H., assignor.)					
	Bostick, E. (See Kunkle, Erastus B., assignor.)					
	Bestwick & Co., W. W. (See Cook & Bestwick, assignors.)					
166, 961	Bestwick, George, Aurora, Ill. Bedstead-fastening	Aug. 24, 1875	765	236	8	333
	Bestwick, Jabez A. (See Brock, William H., assignor.)					
168, 868	Bestwick, Robert S., Jackson, Mich. Stove	Oct. 19, 1875	532	174	8	656
	Bestwick, Walter W. (See Cook & Bestwick.)					
162, 147	Bestwick, Walter W., Cincinnati, Ohio. Jelly-press	Apr. 20, 1875	516	170	7	658
162, 610	Boswell, Henry K., and David Immel, Cincinnati, Ohio. Thill-coupling	Apr. 27, 1875	962	309	7	722
6, 463	Bosworth, Charles F., Milford, Conn. Sewing-machine (Reissue).	June 1, 1875	202	73, 73	7	958
6, 467	Same. Assignor, by mesne assignments, to Straw Sewing Machine Company. Sewing-machine (Reissue).	June 1, 1875	208	74	7	959
8, 007	Bosworth, Frederick S., assignor to Weybosset Mills, Providence, R. I. Fancy cassimere (Design).	Jan. 12, 1875			7	48
8, 652	Same. same (Design).	Feb. 9, 1875			7	223
8, 263	Same. Fancy-cassimere fabric (No. 1. Design).	Apr. 13, 1875			7	610
8, 264	Same. same (No. 2. Design).	Apr. 13, 1875			7	610
8, 315	Same. Fancy cassimere (No. 1. Design).	May 11, 1875			7	782
8, 316	Same. same (No. 2. Design).	May 11, 1875			7	782
8, 675	Same. same (Design).	Oct. 5, 1875			8	560
8, 676	Same. same (Design).	Oct. 5, 1875			8	560
163, 355	Boteler, John W., Washington, D. C. Luncheon-plate	May 18, 1875	611	195	7	850
161, 732	Bots, Geert H., and William H. White, Zeeland, Mich. Whiffletree	Apr. 6, 1875	132	46	7	588
167, 296	Botsford, David, assignor of one-half interest to Frank Caulkings, Warsaw, N. Y. Potato-digger	Aug. 31, 1875	1094	343	8	386
169, 139	Bottomley, Henry, Camden, N. J. Method of manufacturing tufted yarn	Oct. 26, 1875	807	262	8	701
166, 066	Boucher, Leon, Saint Louis, Mo. Press for packing putty	July 27, 1875	925	286	8	452
167, 736	Boudren, Thomas, and George H. Johnson, Bridgeport, Conn. Wagon-lamp support	Sept. 14, 1875	325	104	8	179
160, 746	Bonju, Marcellin R., Paris, France. Paper-pulp engine	Mar. 16, 1875	469	154	7	431
6, 572	Bout, Myron T., Battle Creek, Mich. Machine for carving and ornamenting wood-work (Reissue).	Aug. 3, 1875	251	76	8	234
170, 933	Bourdin, Jules, Paris, France. Device for transmitting power to sewing-machines	Dec. 14, 1875	264	88	8	993
171, 088	Bourgeois, James J., Saint Cloud, Minn. Water-wheel	Dec. 14, 1875	467	135	8	1012
	Bourget, Pascal. (See Michalet & Bourget.)					
158, 464	Bourguignon, Wendel, Providence, R. I. Bottle-stopper	Jan. 5, 1875	98	33	7	23

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g	Vol.	Page.
163, 630	Bourn, Augustus O., Providence, R. I., and William G. Vermilye, New York, N. Y. Game-board.	May 25, 1875	579	277	7	693
162, 268	Bourne, F. Philip, Brooklyn, N. Y. Automatic closing attachment for waste-pipes.	Apr. 20, 1875	629	205	7	672
163, 141	Bourne, Francis, Boston, Mass. Cigar-vg.	May 11, 1875	392	126	7	806
167, 872	Bourquin, Edouard, La Hnette, Switzerland. Escapement for watches.	Sept. 21, 1875	467	148	8	488
162, 891	Bousfield, Frederick H., San Francisco, Cal. Refining base-metal bullion.	May 4, 1875	139	5	7	765
170, 559	Boust, Charles, Northumberland, Ea. Machine for trimming wall-paper.	Dec. 7, 1875	5	2	8	951
171, 090	Bouvier, Louis, San José, Cal. Double-acting pump.	Dec. 14, 1875	409	136	7	1012
159, 634	Bovey, George C., Chillicothe, Ohio. Brick-machine.	Feb. 9, 1875	367	122	7	243
	Bowden, James H. (See Larson, Young W., assignor.)					
	Bowdoin, Frank A., et al. (See Winne & Kent, assignors.)					
160, 149	Bowen, Abraham S., Rushville, Ind. Extension-table.	Feb. 23, 1875	876	289	7	325
158, 826	Bowen, Azro B., West Randolph, Vt. Bee-hive.	Jan. 19, 1875	458	154	7	103
162, 219	Bowen, Charles H., Washington, D. C. Disinfecting, deodorizing, and antiseptic composition.	Sept. 28, 1875	804		8	543
	Bowen, F. A. (See Minot, Hiram T., assignor.) (Reissue.)					
	Bowen, G. H., et al. (See Nott, Aaron B., assignor.)					
166, 251	Bowen, Jesse, Lancaster, Ohio. Cider-mill.	Aug. 3, 1875	60	19	8	207
168, 220	Bowen, John H., and Joel G. Whiteside, Saint Louis, Mo. Composition dressing for shoes.	Sept. 28, 1875	805		8	541
171, 596	Bowen, John J., Richmond, Va. Combined mattress and bedstead.	Dec. 28, 1875	926	304	8	1098
162, 966	Bowen, William A., Racine, Wis. Washing-machine.	May 11, 1875	260	84	7	789
161, 096	Bower, David, Lebanon, Pa. Car-coupling.	Mar. 23, 1875	795	261	7	483
171, 089	Bower, Samuel L., Auburn, N. Y. Machine for making spiral springs.	Dec. 14, 1875	408	156	8	1012
171, 547	Bowerman, David T., Middletown, N. Y. Felly-joint clip.	Dec. 28, 1875	881	288	8	1091
160, 747	Bowers, George A., assignor to Joseph F. Bonfield, Chicago, Ill. Pan-forming machine.	Mar. 16, 1875	470	154	7	432
	Bowers, H. L., et al. (See Walters, Charles D., assignor.)					
164, 798	Bowers, John W., South Carver, Mass. Machine for making boxes.	June 22, 1875	908	295	7	1081
165, 784	Same. Ox-dressing machine.	July 20, 1875	638	196	8	121
	Bowers, Marcus M. (See Norris, Bowers & Dimmock.)					
165, 703	Bowers, Marcus M., assignor to self and John P. Schenmerhorn, Richmond, Va. Reversible plow-point.	July 20, 1875	567	173	8	111
160, 869	Bowers, William H. H., Franklin, Ky. Check-valve.	Mar. 16, 1875	581	189	7	446
161, 474	Same. Ice-machine.	Mar. 30, 1875	1168	375	7	539
162, 021	Same. Air-pump.	Apr. 13, 1875	3-3	129	7	633
	Bowbay, Egbert. (See Wood, Bowhay & Rosebrooks.)					
	Bowker, George W. (See Fuller, Nathaniel, assignor.)					
159, 635	Bowler, John A., New York, N. Y. Argand burner.	Feb. 9, 1875	369	122	7	244
164, 671	Bowman, Charles, Hanover, Pa. Car-coupling.	June 22, 1875	793	260	7	1066
164, 712	Bowman, Jacob, Harrisburgh, Canada. Smoke-drum.	June 22, 1875	835	272	7	1071
	Bowman, John C. (See Johnson & Bowman.)					
159, 147	Bowman, Joseph, Weymouth, and Alexander Chapman, Lowell, Mass. Drier for fertilizers.	Jan. 26, 1875	779	255	7	153
	Bowman, Lucy C. (See Bowman, William R., assignor.)					
162, 611	Bowman, Robert, Terre Haute, Ind. Wagon-coupling.	Apr. 27, 1875	963	309	7	732
166, 681	Bowman, Thomas S., Saint Louis, Mo. Consecutive-numbering machine.	Aug. 17, 1875	490	150	8	285
166, 585	Bowman, William R., assignor to Lucy C. Bowman, Danville, Ky. Straw-cutter.	Aug. 20, 1875	383	118	8	261
162, 612	Bowyer, John A., Huntsburgh, Ohio. Iron-clad fence.	Apr. 27, 1875	964	310	7	732
168, 827	Bowyer, John A., Huntsburgh, assignor of one-half interest to John E. Quinn, Montville, Ohio. Washing-machine.	Oct. 19, 1875	497	162	8	651
	Box, Richard W. (See Bean & Box.)					
161, 743	Boyce, Joseph B., Lockport, N. Y. Book-clamp.	Apr. 6, 1875	133	46	7	588
16, 290	Boyd, David, New York, N. Y. Hot-air furnace.	Feb. 16, 1875	728	242	7	296
	Boyd, Edward, trustee. (See Milward, Frank, assignor.) (Reissue.)					
160, 384	Boyd, George, Philadelphia, Pa. Coffee-roaster.	Mar. 2, 1875	111	41	7	365
169, 080	Boyd, Henry E., McKeesport, Pa. Machine for cutting screw-taps.	Oct. 26, 1875	749	244	8	693
6, 610	Boyd, James H., Chicago, Ill. Furnace for reducing ores of precious metals. (Reissue.)	Aug. 24, 1875	953	297	8	359
161, 657	Boyd, John, New York, N. Y. Pen-holder.	Apr. 6, 1875	59	22	7	577
169, 406	Boyd, John, assignor of one-half interest to Charles Smith and William McKinnon, East Boston, Mass. Cane and umbrella combined.	Nov. 2, 1875	79	24	8	745
	Boyd, Robert A., et al. (See Harris, Charles C., assignor.)					
160, 256	Boyd, Robert R., and Henry G. Fox, Memphis, Tenn. Sawing-machine.	Mar. 2, 1875	3	2	7	349
	Boyd, Thomas H. (See Taber & Boyd.)					
159, 636	Boyd, William A., assignor to William E. Deugberty, Harrisburgh, Pa. Car-coupling.	Feb. 9, 1875	370	123	7	244
162, 997	Boyer, Aaron, Galesburgh, Ill. Broom-press.	May 11, 1875	261	85	7	789
170, 514	Boyer, Jacob, Rural Valley, Pa. Horse-yoke.	Nov. 30, 1875	1186	374	8	923
161, 380	Boyer, Ressler, Lebanon, Pa. Oven for annealing building-blocks of furnace-slag.	Mar. 30, 1875	1082	351	7	528
162, 347	Boyers, Jacob, Huntington, Ind. Coffee-pot.	Apr. 20, 1875	701	228	7	680
160, 642	Boykin, J. H. Eley, Gadsden, Tenn. Wheel for vehicles.	Mar. 9, 1875	356	120	7	469
170, 225	Boylard, Joseph, Troy, N. Y. Puddling-furnace door.	Nov. 23, 1875	908	283	8	876
158, 396	Boyle, Charles B., New York, N. Y. Street-lamp.	Jan. 5, 1875	40	14	7	14
163, 142	Boyle, David, Washington, D. C. Ice-machine.	May 11, 1875	393	127	7	806
163, 143	Same. Same.	May 11, 1875	393	127	7	806
163, 144	Boyle, David, Quincy, Ill. Ice-machine.	May 11, 1875	395	127	7	806
165, 205	Boyle, John, and Henry Stephens, Brooklyn, N. Y.; said Stephens assignor to said Boyle. Mail-bag.	July 6, 1875	62	18	8	17
169, 513	Boyle, Robert K., New York, N. Y. Electric telegraph.	Nov. 2, 1875	171	57	8	758
169, 514	Boyle, Robert K., Brooklyn, N. Y. Electrical induction apparatus.	Nov. 2, 1875	173	57	8	758
	Boynton, Joseph. (See Halvorsen, Halvor, assignor.)					
6, 251	Boynton, Nathaniel A., New York, N. Y. Heating-stove. (Reissue.)	Jan. 26, 1875	876	285	7	167
165, 297	Same. Self-closing door for stoves.	July 6, 1875	139	42	8	28
165, 298	Same. Frame for fire-place heaters.	July 6, 1875	139	43	8	28
171, 091	Same. Stove-grate.	Dec. 14, 1875	410	137	8	1013
162, 022	Boynton, William J., Battle Creek, Mich. Handle for crosscut-saws.	Apr. 13, 1875	384	129	7	633
	Bozarth, Stephen P. (See Shelley, Bozarth & Spring.)					
8, 000	Brace, Henry G., New York, N. Y. Medial. (Design.)	Jan. 12, 1875			7	48
164, 257	Brach, Isidor, Philadelphia, Pa. Water-filter.	June 8, 1875	395	134	7	995
143, 443	Bracher, George S., Chatham, N. J. Wire fabric.	May 18, 1875	689	220	7	861
171, 345	Bracher, Thomas W., New York, N. Y. Ventilator.	Dec. 21, 1875	674	223	8	1055
	Brackett, Jefferson B., et al. (See Allen, Levi O., assignor.) (Reissue.)					
161, 658	Brackett, Marrick C., Holland, Mass., assignor to George B. Bridgen, Norwich, Conn. Eyeglass-frame.	Apr. 6, 1875	60	22	7	577

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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6, 277	Brackett, Samuel A., and William W. Whitcomb, Boston, Mass., assignors to Union Patent Seam Company, Hartford, Conn. Seam for boats, &c. (Reissue).	Feb. 9, 1875	470	101	7	258
158, 670	Brada, Charles, New York, N. Y. Bureau bedstead.	Jan. 12, 1875	299	157	7	66
163, 728	Bradbury, Charles J., assignor to self and George W. Russell, Lawrence, Mass. Grinding cylinder for paper-pulp engines.	May 25, 1875	959	304	7	903
163, 145	Same. Rocking-chair.	May 11, 1875	396	128	7	806
162, 215	Bradfield, John, Grand Rapids, Mich. Folding table.	Apr. 20, 1875	579	190	7	665
170, 515	Same. Same.	Nov. 30, 1875	1186	374	8	923
170, 336	Bradford, C. S. (See Ball, Charles E., assignor.)					
	Bradford, Erastus F., Boston, Mass. Paper collar.	Nov. 23, 1875	1006	316	8	890
	Bradford, Hezekiah. (See Baker, Loring J., assignor.) (Reissue.)					
	Same. (See Wilford, John B., assignor.)					
166, 252	Bradford, Hezekiah, Philadelphia, Pa. Separating coal from slate, &c.	Aug. 3, 1875	61	19	8	207
162, 740	Bradford, Jeremiah B. (See Ferry, George H., assignor.)					
	Bradford, Lemuel, 2d, Plymouth, Mass. Machine for making the shank-pieces of boots and shoes.	May 4, 1875	5	2	7	747
	Bradford, Louisa. (See Slichter, Joseph D., assignor.)					
166, 962	Bradford, Oliver K., Boston, Mass. Paper picture-frame.	Aug. 24, 1875	765	237	8	333
160, 385	Bradford, William, Vaidosta, Ga. Plow.	Mar. 2, 1875	112	41	7	365
179, 810	Bradford, William A., Goshen, Ind. School-slate.	Dec. 7, 1875	140	46, 47	8	969
	Bradlee, Dudley H., et al. (See Sluinn, John, assignor.)					
	Bradley & Hubbard. (See Bradley, Nathaniel L., assignor.) (Design.)					
	Same. (See Plympton, Nathaniel, assignor.)					
	Same. (See Schildensticker, Frederick R., assignor.) (Design.)					
	Bradley & Hubbard Manufacturing Company. (See Evarts, John A., assignor.)					
	Same. (See Linsley, Charles F., assignor.)					
	Same. (See Lyman, Charles H., assignor.)					
159, 383	Bradley, Baldwin L., Woodstock, Canada, assignor to self and James H. Fletcher, Alpena, Mich. Hot air furnace.	Feb. 2, 1875	126	41	7	202
164, 134	Bradley, Byron C., Chicago, Ill. Plow.	June 8, 1875	282	96	7	980
163, 973	Bradley, Caleb H., Coatesville, Pa. Index.	June 1, 1875	111	38	7	946
	Bradley, David E. (See Moore, Thomas T., assignor.)					
	Same. (See Moore & Bradley.)					
	Bradley, John A. (See Wells, Daniel A., assignor.)					
167, 215	Bradley, Maria, New York, N. Y. Rubber drawers for invalids.	Aug. 31, 1875	1026	319	8	376
168, 133	Same. Portable lunch-heater.	Sept. 28, 1875	728	229	8	532
8, 328	Bradley, Nathaniel L., assignor to Bradley & Hubbard, West Meriden, Conn. Window-bracket. (Design.)	Feb. 16, 1875			7	361
8, 481	Bradley, Nathaniel L., assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Lamp-pedestal. (Design.)	May 18, 1875			7	837
163, 915	Bradley, Nathaniel L., assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Lamp-pedestal. (Design.)	July 13, 1875			8	48
	Bradley, Robert F., Moffettsville, S. C. Station for sub marine telegraphs.	June 1, 1875	64	22	7	939
	Bradley, Samuel. (See Dinkey, Etbody & Bradley.)					
168, 869	Bradshaw, Francis A., Lebanon, Mo. Weather-strip.	Oct. 19, 1875	533	175	8	656
170, 660	Brady, Patrick, and George M. Ward, Newark, N. J. Sewer-basin.	Dec. 7, 1875	6	2	8	951
164, 421	Braemlich, William, New York, N. Y. Cooling apparatus for rooms.	June 15, 1875	567	184	7	1026
169, 515	Bragg, Ella C., Lynn, Mass. Arm-pit shield.	Nov. 2, 1875	174	57	8	758
160, 076	Bragg, Perry C., Mayfield, Ky. Railway-switch.	Feb. 23, 1875	816	268	7	316
165, 438	Bragg, Robert, San Francisco, Cal. Gong attachment for engine-houses.	July 13, 1875	369	91	8	58
168, 605	Bragonier, Alfred, Middletown, Md. Clothes-drier. (Reissue.)	Oct. 11, 1875	287	93	8	612
6, 573	Brahn, James, Jersey City, N. J. Railway-frog.	Sept. 4, 1875	252	76	8	245
167, 628	Braids, Charles, Copperopolis, Cal. Ore crusher and amalgamator.	Sept. 14, 1875	242	75	8	447
162, 892	Braidwood, William, New York, N. Y. Gilding-machine.	May 4, 1875	140	46	7	765
170, 337	Braidwood, William, Mount Vernon, N. Y. Machine for perforating paper.	Nov. 23, 1875	1006	316	8	891
169, 516	Brainard, Amos H., Hyde Park, Mass. Vise.	Nov. 2, 1875	174	58	8	758
170, 153	Braman, Joseph U., Boston, Mass. Machinery for lining hydraulic hose.	Nov. 23, 1875	645	264	8	867
170, 619	Brambach, Stephen, New York, N. Y. Music-rack for upright piano-fortes.	Nov. 30, 1875	1287	407	8	937
159, 889	Bramble, James, jr., assignor to William G. Entrekui, Philadelphia, Pa. Burnishing-plate for photogr. phic burnishers.	Feb. 16, 1875	628	208	7	283
171, 692	Bramer, Frank, Little Falls, N. Y. Wheel-barrow.	Dec. 14, 1875	411	137	8	1013
	Branch, Joseph W. (See Morse, Edmund L., assignor.)					
	Same. (See Squire, John J., assignor.)					
167, 216	Branch, Joseph W., Saint Louis, Mo. Process or mode of fitting diamonds in metallic holders.	Aug. 31, 1875	1027	319	8	376
160, 301	Brancher, Daniel L., Lincoln, and Jacob L. Ring, Mount Pulaski, Ill. Smoke and cinder-conductor.	Mar. 2, 1875	38	15	7	354
162, 893	Brand, Charles A., Wilmington, Del., assignor of one-half interest to James A. Hooper, jr., Baltimore, Md. Machine for turning axles.	May 4, 1875	142	46	7	765
169, 336	Brand, Henry, Saint Paul, Minn. Tenoning-machine.	Nov. 2, 1875	12	4	8	736
167, 737	Brand, Louis P., assignor of one-half interest to Auguste Willoz, New Orleans, La. Medical composition.	Sept. 14, 1875	326		8	459
	Brand, Nathan, Hion, N. Y. Manufacture of hoc-blanks. (Extension.)	Feb. 25, 1875			7	515
164, 420	Brandis, Ludwig, Brooklyn, N. Y. Range-boiler stand.	June 15, 1875	567	184	7	1026
169, 140	Brandon, Alexander, New York, N. Y. Railway-car window.	Oct. 26, 1875	805	262	8	702
	Brandon, Chauncey E. (See Schenck, George W., assignor.)					
163, 631	Brandon, James, New York, N. Y. Steam-engine for rock-drills.	May 25, 1875	880	277	7	893
	Brandt, Adam. (See Brandt, Louis, assignor.)					
160, 077	Brandt, Adam, New York, N. Y. Cooling-floor for breweries.	Feb. 23, 1875	817	268	7	316
160, 078	Brandt, Louis, assignor of one-half interest to Adam Brandt, New York, N. Y. Slate roof.	Feb. 23, 1875	818	269	7	310
166, 253	Brandig, Julius M., New York, N. Y. Tuning-pin for pianos, &c.	Aug. 3, 1875	64	20	8	208
165, 151	Brandigan, Thomas, Beloit, Wis. Boot-tree.	July 6, 1875	5	2	8	9
6, 418	Branson, Jesse L., and August Juergens, Cincinnati, Ohio. Spring-bottom for beds. (Reissue.)	May 4, 1875	250	80, 81	7	780
	Brant, James M., et al. (See Chase, Frank, assignor.)					
	Brass, Robert. (See Koch & Brass.)					
159, 148	Braud, Joseph C., Thibodeau, La. Rice-planter.	Jan. 26, 1875	779	256	7	153
170, 338	Brauer, Louis, Philadelphia, Pa. Car-axle box.	Nov. 23, 1875	1007	316	8	891
163, 729	Braun, Otto, Berlin, Prussia. Treating wool, &c., to free it from impurities.	May 25, 1875	960		7	903
165, 785	Same. Apparatus for purifying gas.	July 20, 1875	641	197	8	121
167, 980	Brannlich, Herrmann, Streator, Ill. Ice-floor for refrigerators.	Sept. 21, 1875	549	177	8	501
163, 711	Brauns, Thilo, Chicago, Ill. Pessary.	Oct. 11, 1875	382	125	8	626
167, 060	Braunson, Benjamin, assignor to self and Joseph and Levi Braunson, Barnesville, Ohio. Force and suction pump.	Aug. 24, 1875	861	268	8	346



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	Braunson, Joseph, <i>et al.</i> (See Braunson, Benjamin, assignor.)					
	Braunson, Levi, <i>et al.</i> (See Braunson, Benjamin, assignor.)					
163, 632	Bray, John W., La Harpe, Ill. Milk-strainer	May 25, 1875	881	277	7	893
161, 659	Bray, Mellen, Newton, Mass. Rivet-setting machine	Apr. 6, 1875	60	22	7	578
161, 660	Same..... Riveting-machine	Apr. 6, 1875	63	23	7	578
166, 963	Same..... Machine for drilling rivets	Aug. 24, 1875	766	237	8	333
170, 703	Same..... Paint-can	Dec. 7, 1875	46	13	8	957
163, 730	Bray, Morris P., Birmingham, Conn. Skirt-supporter	May 25, 1875	961	304	7	903
167, 738	Brayton, Robert, David June, and Oratus S. French, Fremont, Ohio. Spark-arrester	Sept. 14, 1875	326	104	8	459
	Brayton, William M. (See Dobbs & Brayton.)					
	Brear, Abel, <i>et al.</i> (See Clark, Joseph, assignor.)					
162, 613	Brear, Abel, Sangatuck, assignor of one-half interest to Frank L. Smith, New Haven, Conn. Water-elevator	Apr. 27, 1875	964	310	7	722
162, 792	Brechbiel, John E., Highland Falls, N. Y. Cigar-wrapper knife	May 4, 1875	56	18	7	754
162, 614	Brecknridge, Elias K., West Meriden, Conn. Fastener for the meeting-rails of sashes	Apr. 27, 1875	965	310	7	722
170, 047	Same..... same	Nov. 16, 1875	716	227	8	844
160, 386	Brecknridge, R. Moss, West Meriden, Conn. Stove-pipe damper	Mar. 2, 1875	113	41	7	365
165, 914	Breed, Amos, La Harpe, Ill. Wood pump	July 27, 1875	781	239	8	153
171, 500	Breed, Charles H., Massillon, Ohio. Valve-gear for steam-engines	Dec. 28, 1875	840	275	8	1086
	Breed, Daniel. (See Dugdale & Breed.)					
	Same..... (See Redstone, Albert E., assignor.)					
	Brehmer, August. (See Hcyl & Brehmer)..... (Reissue.)					
169, 407	Breidenbach, Conrad W., and Edward E. Euchenhofer, Dayton, Ohio. Door-check	Nov. 2, 1875	80	25	8	745
166, 182	Breneman, Abraham N., Lancaster, Pa. Boot-holder	Aug. 3, 1875	2	1	8	199
167, 821	Brenner, Rudolph, assignor to Henry Varwig, Cincinnati, Ohio. Vent-faucet	Sept. 21, 1875	421	134	8	481
167, 822	Brettell, Edward W., assignor to Henry L. Fleming, Elizabeth, N. J. Sash-fastener	Sept. 21, 1875	422	134	8	481
169, 233	Brettell, Enoch, and James Lindsey, Evansburgh, assignors to George B. Slater and J. N. Dunham, Fredonia, and Amos Palmer, Pine Grove, Pa. Motive-power	Oct. 26, 1875	888	288 289	8	713
	Breuer, Theodore. (See Knessler & Breuer.)					
6, 721	Breval, Laurent, Paris, France. Apparatus for expressing liquids..... (Reissue.)	Nov. 2, 1875	274	89	8	771
	Brower, George G. (See Burras, Edward J. W., assignor.)					
169, 081	Brewer, Roland L., assignor to Henry G. Thompson, Milford, Conn. Wire-feeding mechanism	Oct. 26, 1875	751	244	8	694
162, 615	Brewer, Russell, New York, N. Y., assignor of part interest to C. M. Morrison, A. J. Dunning, and Warren A. Sherwood, Saint Louis, Mo. Car-axle box	Apr. 27, 1875	966	310	7	722
	Brewster & Co., J. B. (See Plumb, Freeman B., assignor.)					
6, 278	Brewster, John C., New York, N. Y., assignor of part interest to Peter Hinrod and Daniel Peters. Desulphurizing-oven..... (Reissue.)	Feb. 9, 1875	471	158	7	258
159, 384	Brewster, John C., New York, N. Y. Desulphurizing-oven	Feb. 2, 1875	127	44	7	202
	Brewster, Lewis E. (See Relyea, Jerome B., assignor.)					
165, 786	Brez, John D., Brooklyn, N. Y. Sten-winding watch	July 20, 1875	642	197	8	121
169, 082	Brice, George A., Townville, Pa. Carriage-painter's jack	Oct. 26, 1875	752	245	8	694
168, 828	Brick, Alfred H., Winchendon, Mass., assignor of one-half interest to Francis Brick, Keene, N. H. Chair	Oct. 19, 1875	498	162	8	651
	Brick, Francis. (See Brick, Alfred H., assignor.)					
158, 619	Brickett, William H., Boston, Mass. Clock-movement holder	Jan. 12, 1875	252	55	7	60
164, 799	Bridenthall, Harry H., jr., Latrobe, Pa. Harvester	June 22, 1875	910	295 296	7	1081
170, 433	Same..... Harvester-rake	Nov. 30, 1875	1110	349	8	913
166, 183	Bridge, Edward W., assignor to William K. Ferguson and James M. Bennett, Philadelphia, Pa. Box-fastening	Aug. 3, 1875	3	1	8	199
	Bridgeport Brass Company. (See Marcy, John J., assignor.)					
	Same..... (See Wilnot, Samuel R., assignor.)					
165, 704	Bridges, Charles, Lowell, Mass. Bench-plane	July 20, 1875	567	173	8	111
167, 639	Bridges, Christopher M., assignor to self and Creed Bobbitt, Leon, Iowa. Feed-water regulator	Sept. 14, 1875	243	75	8	447
	Bridgewater Iron Company. (See Ferguson, James, assignor.)					
160, 079	Bridgman, Irwin, Toronto, Canada. Passenger-car	Feb. 23, 1875	819	269	7	316
168, 712	Bridgman, Charles F., Brooklyn, N. Y., assignor of two-thirds interest to John H. Haulenbeck, Norwalk, and Frank P. Rice, Danbury, Conn. Ventilating-screen for car-windows	Oct. 11, 1875	382	125	8	626
168, 134	Briedbach, Carl. (See Briedbach, Casper J. and Carl.)					
166, 450	Briedbach, Casper J. and Carl, New York, N. Y. Process of preparing carmine printing-ink	Sept. 28, 1875	729	.....	8	532
	Brierley, Edward, Milton Mills, N. H. Frame for dyeing cloth	Aug. 10, 1875	275	82	8	245
	Brigden, George B. (See Brackett, Marrison C., assignor.)					
	Briggs, Alanson T., <i>et al.</i> (See Smith, Heman S., assignor.)					
	Briggs, Arthur E. (See Briggs, William H. and Arthur E.)					
	Briggs, Charles E. (See Palmer & Briggs.)					
169, 141	Briggs, Edward W., and Aaron V. De Pew, New York, N. Y. Marine-engine governor	Oct. 26, 1875	809	262	8	702
159, 149	Briggs, Harrison T., Buchanan, Mich. Spoke-socket and felly-plate	Jan. 26, 1875	781	256	7	153
170, 434	Briggs, Henry H., Olmsted, Ohio. Tongue-support	Nov. 30, 1875	1111	359	8	913
162, 616	Briggs, Johnson, assignor of one-half interest to William S. Finch, Toronto, Canada. Ventilating cars and buildings	Apr. 27, 1875	967	311	7	722
	Briggs, Joseph, <i>et al.</i> (See Briggs, William H. and Arthur E., assignors.)					
	Briggs, King D. (See Roberts & Briggs)					
169, 337	Briggs, Martin, Rochester, N. Y. Safe and vault door	Nov. 2, 1875	14	4	8	736
163, 569	Briggs, Robert, Philadelphia, Pa. Center-valve for gas-purifiers	May 25, 1875	821	260	7	885
164, 901	Briggs, William, assignor to George C. Winchester, Ashburnham, Mass. Machine for bending wood	June 29, 1875	1028	332	7	1103
170, 048	Briggs, William H., Woonsocket, R. I. Scroll-saw	Nov. 16, 1875	717	227	8	844
164, 516	Briggs, William H., Chicago, Ill., and Arthur E. Briggs, assignors, by mesne assignments, to Joseph Briggs and Post & Co., Cincinnati, Ohio. Locomotive head-light	June 15, 1875	647	209	7	1037
	Brigham, Byron O., <i>et al.</i> (See Christy, John, assignor.)					
164, 963	Brigham, Charles H., Marlborough, Mass. Die for cutting boot and shoe rands	June 29, 1875	1083	349	7	1110
	Brigham, Litchfield & Vining. (See Look, Joseph, assignor.)					
167, 493	Bright, John D., and Jasper N. De Guire, Terrell, Tex. Churn-dasher	Sept. 7, 1875	97	30	8	420
162, 617	Brightman, Albert, assignor of one-half interest to Josiah S. Bonney, New Bedford, Mass. Bake-pan	Apr. 27, 1875	968	311	7	722
161, 322	Briglin, Willard W., Avoca, N. Y. Mowing-machine	Mar. 30, 1875	1025	333	7	521
167, 385	Brill, George M., Philadelphia, Pa. Car-platform	Sept. 7, 1875	4	2	8	407
166, 744	Brimhall, Horace J., jr., assignor to self and Samuel E. Foster, Millington, Ill. Wind-wheel	Aug. 17, 1875	552	169	8	294
161, 745	Brimingham, Green B., Trenton, Tenn. Plow-standard fastening	Apr. 6, 1875	155	46	7	5-8
158, 397	Brinckerhoff, Edwin O., New York, N. Y. Steam-condenser	Jan. 5, 1875	40	15	7	11
158, 896	Same..... Water-closet	Jan. 19, 1875	524	175	7	112

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 297	Brinkerhoff, Edwin O., New York, N. Y. Water-closet valve .....	Feb. 2, 1875	48	18	7	191
159, 298	Same..... Rango .....	Feb. 2, 1875	49	18, 19	7	191
159, 788	Same..... Cooking-stove .....	Feb. 16, 1875	532	{ 177 178 }	7	271
165, 472	Brinkerhoff, Henry W., Brooklyn, N. Y. Elevator .....	July 13, 1875	344	101	8	62
159, 559	Briner, Emil, New York, N. Y. Die for forming spring-shanks for shoes .....	Feb. 9, 1875	313	102	7	235
163, 146	Bringman, George E., Philadelphia, Pa. Umbrella-runner .....	May 11, 1875	396	128	7	806
163, 570	Same..... Cartridge-box .....	May 25, 1875	822	260	7	885
6, 200	Brinkerhoff, Alexander W., Upper Sandusky, Ohio. Inkstand..... (Reissue.)	Jan. 5, 1875	182	63	7	34
170, 517	Brinkerhoff, Amos, Golden Corners, Ohio. Swinging and tilting gate .....	Nov. 30, 1875	1187	374	8	934
159, 150	Brinkerhoff, George F., Bucyrus, Ohio. Stove-pipe collar and thimble .....	Jan. 26, 1875	781	256	7	154
6, 816	Brinkerhoff, Jacob, Auburn, N. Y., assignor, by mesne assignments, to self, Charles M. Howlet, Elon C. Denio, and John I. Brinkerhoff. Wringer..... (Reissue.)	Dec. 21, 1875	789	261	8	1071
170, 226	Brinkerhoff, Jacob, George B. Bennett, and La Fayette Selder, Dubnque, Iowa. Car-coupling .....	Nov. 23, 1875	909	283	8	876
	Brinkerhoff, John L., et al. (See Brinkerhoff, Jacob, assignor.)..... (Reissue.)					
167, 602	Brinkerhoff, Marion, Mansfield, Ohio. Soot-arrester for chimneys.....	Sept. 14, 1875	211	65	8	443
170, 516	Brinly, Thomas E. C., Louisville, Ky. Plow .....	Nov. 30, 1875	1187	374	8	923
	Brintnall, Thomas M., et al. (See Macy, Egbert, assignor.)					
	Brintnall, Thomas M. (See Wayland, James, assignor.)					
	Bristol Brass and Clock Company. (See Rhind, Frank, assignor.)					
	Same..... (See Taplin, Alvin, assignor.)..... (Reissue.)					
169, 234	Bristol, Charles B., New Haven, Conn. Snap-hook .....	Oct. 26, 1875	889	289	8	713
166, 254	Bristol, Dwight W., and John F. B. Searcy, Pleasant Hill, Miss. Cotton, corn, and pea planter .....	Aug. 3, 1875	64	20	8	208
	Bristol, Thomas G. (See Keating & Bristol.)					
158, 897	Brittain, Richard J., assignor to John Middleton, Newark, and John J. Thatcher, Caldwell, N. J. Electro-magnetic burglar-alarm .....	Jan. 19, 1875	525	176	7	112
8, 846	Brittin, Edwin L., Derby, Conn. Handle of table cutlery..... (Design.)	Dec. 14, 1875			8	988
8, 867	Britton, Benjamin F., New York, N. Y. Band-comb..... (Design.)	Dec. 28, 1875			8	1076
	Britton, Isaac W., et al. (See Prouty, Henry A., assignor.)					
	Britton, John W., et al. (See Prouty, Henry A., assignor.)					
159, 493	Britton, Joseph W., and Franklin L. Chamberlin, Cleveland, Ohio. Machine for cutting shingle-bands .....	Feb. 9, 1875	251	81	7	227
161, 744	Broadbent, Sidney, Charles W. Zeigler and Willard B. Culver, Scranton, Pa. Apparatus for separating slate from coal .....	Apr. 6, 1875	134	46	7	588
166, 844	Broadbooks, Peter, Batavia, N. Y. Mechanical movement .....	Aug. 17, 1875	636	198	8	307
170, 931	Same..... Combined implement .....	Dec. 14, 1875	264	88	8	993
167, 981	Broadwell, Lewis W., Heitzing, near Vienna, Austria. Gas-check for ordnance .....	Sept. 21, 1875	550	177	8	501
169, 674	Bros, Richard M. C., Jersey City, N. J., assignor of three-fourths interest to Jacob Kohlberg and Thaddeus H. Walsh, New York, N. Y., and John P. Culver, Jersey City, N. J. Pipe .....	Nov. 9, 1875	352	111	8	789
171, 346	Same..... Process for making veneer-pipes.....	Dec. 21, 1875	675	223	8	1055
171, 347	Same..... Machine and process for making veneer-pipes.....	Dec. 21, 1875	676	223	8	1055
159, 494	Brock, Simon O., Watertown, Mass. Manufacture of cornices .....	Feb. 9, 1875	252	82	7	227
161, 746	Brock, William E., Philadelphia, Pa. Lumber .....	Apr. 6, 1875	136	47	7	588
169, 619	Brock, William H., Hunter's Point, assignor to Jabez A. Bostwick, New York, N. Y. Apparatus for making paper vessels .....	Nov. 9, 1875	294	95	8	782
169, 620	Same..... Paper-tube machine .....	Nov. 9, 1875	295	95	8	782
	Brockett, A. E. (See Hurd, George H., assignor.)					
167, 061	Brockett, Charles A., Kansas City, Mo. Earth-auger .....	Aug. 24, 1875	862	268	8	346
157, 898	Brockett, Leonard A., Salisbury, N. Y. Potato-digger .....	Jan. 19, 1875	526	176	7	112
171, 466	Brockman, Henry, and Henry Stueve, Cincinnati, Ohio. Limekiln.....	Dec. 28, 1875	803	265	8	1081
161, 925	Brocksmith, Herman, Saint Louis, Mo., assignor of one-half his interest to Ernest Quast, Jerseyville, Ill. Lifting-jack .....	Apr. 13, 1875	309	103	7	624
	Brocknauer, Charles W. (See Hobbs & Brocknauer.)					
162, 216	Brocknauer, Charles W., Bridgeport, Ohio. Manufacture of glassware .....	Apr. 20, 1875	579	190	7	665
162, 618	Brodhead, Francis D., assignor to self and Francis F. Lauten, Boston, Mass. Can .....	Apr. 27, 1875	969	311	7	722
	Brodin, Peter A., et al. (See Tinnerholm, Charles J., assignor.)					
170, 661	Brodnax, David W., sr., Rockdale, Tex. Rotary-spade cultivator .....	Dec. 7, 1875	7	2	8	952
164, 713	Brodrick, Charles, Champaign County, Ill. Harrow .....	June 23, 1875	836	272	7	1071
	Bronley & Sons, John. (See Hill & Deacon, assignors.)..... (Design.)					
7, 969	Bronwell, William T., Saint Louis, Mo. Advertising-desk..... (Design.)	Jan. 5, 1875			7	5
162, 793	Bronner, August F., New York, N. Y. Refrigerator .....	May 4, 1875	56	18	7	754
	Bronson & Co., E. D. (See Walrath, Alphonso, assignor.)					
	Bronson, Edward D. (See Walrath & Bronson.)					
160, 567	Bronson, Edward D., Amsterdam, N. Y. Broom-bag .....	Mar. 9, 1875	292	99	7	399
	Bronson, James W. (See Hartson & Bronson.)					
169, 768	Bronson, Thomas J., and Thomas N. Jewsbury, Jacksonville, Ill. Whip .....	Nov. 9, 1875	454	143	8	802
162, 894	Brooke, Aries P., Bayonne, N. J., assignor to James M. Brookfield, New York, N. Y. Machine for pressing and molding glass .....	May 4, 1875	143	46	7	766
164, 517	Same..... Mold for glass, &c.....	June 15, 1875	648	210	7	1037
166, 495	Brooke, Firmen C., Gilman, Ill. Vehicle end-gate .....	Aug. 10, 1875	311	93	8	250
167, 873	Brooke, Howard A., and William F. Wright, Albany, N. Y. Coal-tar burner .....	Sept. 21, 1875	468	{ 148 149 }	8	488
159, 495	Brooke, William E., Trenton, N. J. Punching-press .....	Feb. 9, 1875	252	82	7	227
	Brookfield, James M. (See Brooke, Aries P., assignor.)					
170, 339	Brookfield, James M., Brooklyn, N. Y. Process of annealing glass .....	Nov. 23, 1875	1008		8	801
170, 049	Brooks, Charles E., Marshall, Mich. Cog-wheel .....	Nov. 16, 1875	718	228	8	844
165, 533	Brooks, David, Philadelphia, Pa. Underground-telegraph line .....	July 13, 1875	399	120	8	71
	Brooks, Edward. (See Naylor & Brooks.)					
161, 475	Brooks, Edward J., New York, N. Y. Metallic seal .....	Mar. 30, 1875	1169	376	7	539
164, 809	Same..... Seal-escutcheon .....	June 23, 1875	814	296	7	1081
165, 062	Same..... Punch .....	June 29, 1875	1165	375	7	1121
159, 890	Brooks, Franklin W., assignor to National Ballot-Box Company, New York, N. Y. Ballot-box .....	Feb. 16, 1875	629	{ 208 209 177 178 }	7	283
167, 982	Brooks, Franklin W., New York, N. Y. Registering and recording machine .....	Sept. 21, 1875	551	{ 177 178 }	8	501
169, 517	Brooks, George A., Norwich, Conn. Clothes-drier .....	Nov. 2, 1875	175	58	8	759
	Brooks, George D., et al. (See Brooks, William D., assignor.)					
	Brooks, George J. (See Brooks, William F., assignor.)					
160, 870	Brooks, James, Trumansburgh, N. Y. Vegetable-washer .....	Mar. 16, 1875	582	189	7	446
	Brooks, James A. (See Groover, Joseph M., assignor.)					
	Brooks, James D. (See Silcr & Brooks, assignors.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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163, 449	Brooks, James M. (See Brooks & Lavender.) Brooks, James S., Pittsburgh, Pa. Backing electrotype-shells Brooks, James W., trustee. (See Glidden & Simmons, assignors.) Same. (See Elliott, Fellows & Simmons, assignors.) Same. (See McKay, Fairfield & Glidden, assignors.)	May 18, 1875	690.	220	7	861
168, 713	Brooks, John T., Berlin, and James F. Morell, Tuckahoe, N. J. Shade-fixtured	Oct. 11, 1875	383	125	8	626
163, 147	Brooks, Mary C., et al. (See Brooks, William D., assignor.)	May 11, 1875	397	128	7	806
162, 148	Brooks, Reuben J., jr., Rutland, Mass. Machine for shaving basket-stuff	Apr. 20, 1875	517	170	7	658
159, 637	Brooks, Rhodom M. and James M., and James S. Lavender, Barnsville, Ga. Cotton-press	Feb. 9, 1875	371	123	7	244
168, 606	Brooks, Stephen H., assignor of one-half interest to Charles Bonsall, Darby, Pa. Glass burial-cases	Oct. 11, 1875	288	94	8	612
161, 200	Brooks, Thomas A. (See Siler & Brooks.) Brooks, William D., assignor to Mary C. and George D. Brooks, Baltimore, Md. Soldering machine	Mar. 23, 1875	884	290	7	495
163, 148	Brooks, William F., New York, N. Y., assignor to George J. Brooks, Brattleborough, Vt. Core for tubing	May 11, 1875	398	128	7	807
169, 142	Brosius, George W., Gallatin, Mo. Portable vapor-bath	Oct. 26, 1875	810	263	8	702
159, 385	Brosius, John M., Richmond, Va. Car-truck	Feb. 2, 1875	128	45	7	292
159, 386	Same. Railway-car-axle box	Feb. 2, 1875	128	45	7	302
	Brotherhood, Fred. (See Kittee & Brotherhood.) Same. (See Osgood & Brotherhood.)					
168, 963	Brothwell, Charles R., et al. (See Rebstock, Christian, assignor.)	Oct. 19, 1875	619	205	8	668
152, 299	Broughton, David T., Parkersburgh, W. Va. Paper-trimming machine	Jan. 19, 1875	527	177	7	112
166, 586	Brous, T. Miles, Philadelphia, Pa. Plow	Aug. 10, 1875	384	119	8	291
8, 583	Brower, Bloomfield, et al. (See Adams, John T., assignor.)					
8, 672	Same. Base for inkstands (Design)	Aug. 31, 1875			8	364
8, 868	Same. Inkstand (Design)	Sept. 28, 1875			8	511
8, 869	Same. same (Design)	Dec. 28, 1875			8	1076
153, 620	Same. Sponge-cup (Design)	Dec. 28, 1875			8	1076
159, 560	Brower, Edwin A. (See Brower, George S., George W., and Edwin A.) Brower, George S., George W., and Edwin A., Crawfordsville, Ind. Wheel-cultivator Brower, George W. (See Brower, George S., George W., and Edwin A.) Brower, John V., et al. (See Adams, John T., assignor.)	Feb. 9, 1875	314	102	7	235
8, 870	Brower, John V., New York, N. Y. Base for inkstands (Design)	Dec. 28, 1875			8	1076
164, 968	Brower, William W., New York, N. Y. Jar-lifter	June 29, 1875	1088	350	7	1110
165, 206	Brown, Alanson, Rochester, N. Y. Picture-frame hanger	July 6, 1875	63	18	8	17
6, 441	Brown, Albert, assignor, by mesne assignments, to Daniel E. Paris and Swett, Quimby & Perry, Troy, N. Y. Heating-stove (Reissue)	May 25, 1875	1050	333	7	916
165, 705	Brown, Alden B., and Perry A. Peer, Kalamazoo, Mich.; said Brown assignor to said Peer. Line-fastener	July 20, 1875	568	173	8	111
164, 135	Brown, Alexander E., Cleveland, Ohio. Compression member of bridges	June 8, 1875	282	96	7	880
164, 136	Same. same	June 8, 1875	283	97	7	980
164, 137	Same. Compound iron column for bridges	June 8, 1875	284	97	7	980
163, 356	Same. Spring bed-bottom	May 18, 1875	612	195	7	830
	Brown, Alva P., Texas, Ohio. (See Fisher & Brown.)					
170, 227	Brown & Brothers. (See White, Le Roy S., assignor) (Design) Brown, Andrew, Lancaster County, Pennsylvania, assignor of one-half interest to J. B. and B. B. Donlinger. Car-conjuy	Nov. 23, 1875	909	283	8	876
167, 217	Brown, Bartlett W., Galveston, Tex. Swinging berth	Aug. 31, 1875	1028	319	8	376
167, 983	Brown, Benjamin F., Catlin, Ind. Rein-holder	Sept. 21, 1875	552	178	8	501
160, 643	Brown, Charles, New York, N. Y. Chair-seat	Mar. 9, 1875	357	120	7	409
169, 518	Same. Baling short-cut hay	Nov. 2, 1875	176	59	8	719
169, 408	Brown, Charles A., Troy, N. Y. Machine for cutting paper collars	Nov. 2, 1875	81	25	8	746
	Brown, Charles E. (See Vermillion, John W., assignor.) Brown, Charles F. (See Flagler & Brown.)					
161, 926	Brown, Charles H., Boston, assignor of one-half interest to Fred. C. Anthes, Melrose, Mass. Ink-well	Apr. 13, 1875	300	103	7	624
170, 811	Brown, Charles H., Richmond, Va. Car-axle-box washer	Dec. 7, 1875	141	47	8	969
169, 769	Brown, Charles S., Baltimore, Md. Cigar-box	Nov. 9, 1875	455	143	8	802
164, 964	Brown, Charlotte, Hartford, Conn. Food-preserver	June 23, 1875	1084	349	7	1110
165, 152	Brown, Christopher A., Brooklyn, and Charles E. Sedore, New York, N. Y. Saw	July 6, 1875	6	2	8	9
171, 265	Brown, Daniel M. D., Cropper's Depot, Ky. Churn	Dec. 21, 1875	608	199	8	1046
6, 547	Brown, Darius C., Lowell, Mass. Wire heddle for looms (Reissue)	July 20, 1875	767	234	8	119
165, 473	Brown, David, Lebanon, N. J. Apparatus for transmission of goods, packages, &c. (See Irvin, Thomas W., assignor.)	July 13, 1875	345	101	8	62
164, 965	Brown, Edward, New York, N. Y. Lamp-joint	June 29, 1875	1085	349	7	1110
168, 870	Brown, Edward, Philadelphia, Pa. Speed-measure	Oct. 19, 1875	533	175	8	656
168, 369	Brown, Edward L., Plainfield, N. J. Herseshoe	Oct. 5, 1875	47	17	8	571
171, 348	Brown, Eleazar, Greenville, Pa. Carriage-wheel	Dec. 21, 1875	678	224	8	1056
161, 661	Brown, Elias, Wappinger's Falls, N. Y. Comb	Apr. 6, 1875	65	23	7	578
163, 290	Brown, Ephraim, Lowell, Mass. Bull-saw	May 18, 1875	555	178	7	843
167, 429	Brown, Felix S., Jersey City, N. J. Umbrella-tip cup	Sept. 7, 1875	47	14	8	412
163, 634	Brown, Franklin H. (See Seymour, Oliver E., assignor.)					
159, 299	Brown, Frederick A., and Albert H. Watkins, Boston, Mass. Vapor-burner for lanterns	May 25, 1875	882	278	7	893
	Brown, Frederick M., Warren, R. I. Steam-engine governor	Feb. 2, 1875	51	19	7	191
	Brown, George, et al. (See Ewald, Robert, assignor.)					
161, 323	Brown, George H., and Robert C. Davis, Indianapolis, Ind. Fracture-splint	Mar. 30, 1875	1025	334	7	521
	Brown, George R., deceased. (See Beckwith & Brown.)					
6, 384	Brown, George W., Galesburgh, Ill. Seed-planter (Reissue)	Apr. 20, 1875	807	262	7	693
6, 385	Same. same (Reissue)	Apr. 23, 1875	809	263	7	693
6, 755	Same. same (Reissue)	Nov. 23, 1875	1093	343	8	962
6, 756	Same. same (Reissue)	Nov. 23, 1875	1094	344	8	933
6, 757	Same. same (Reissue)	Nov. 23, 1875	1095	344	8	903
160, 680	Brown, George W., Metropolis, Ill. Flour and middlings purifier	Feb. 23, 1875	820	269	7	316
161, 859	Brown, George W., New York, N. Y. Animal-trap	Apr. 13, 1875	246	82	7	616
162, 895	Brown, George W., Ashburnham, Mass. Screen	May 4, 1875	144	46	7	766
163, 297	Brown, George W., Philadelphia, Pa. Cigar-box tray	May 18, 1875	557	178	7	843
	Brown, Harriet W., administratrix. (See Beckwith & Brown.)					
	Brown, Henry. (See Smith & Brown.) (Design)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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8, 484	Brown, Henry C., New York, N. Y. Stove-cover lifter .....	July 13, 1875	-----	-----	8	49
170, 812	Brown, Henry J., Troy, N. H. Clothes-drier .....	Dec. 7, 1875	141	47	8	969
169, 888	Brown, Horace G., Collinsville, Conn. Trace-coupling .....	Nov. 16, 1875	582	180	8	825
161, 002	Brown, Isaac W., Glenville, Md., assignor of one-half interest to John Lyuch, jr., Portland, Me. Combined globe and check valve .....	Mar. 23, 1875	705	233	7	472
161, 662	Brown, Israel F., New London, Conn. Clothes-wringer .....	Apr. 6, 1875	66	24	7	578
166, 964	Brown, James, (See Kollason & Brown.)					
166, 964	Brown, James, jr., Matteawan, N. Y. Cloth-measure register .....	Aug. 24, 1875	769	237	8	333
165, 207	Brown, James B., Hannibal, Mo. Pump-chain adjuster .....	July 6, 1875	64	18	8	17
160, 810	Brown, James C. (See Gibbs & Brown.)					
160, 810	Brown, James H., Porter's Mills, Wis. Barrel-barrow .....	Mar. 16, 1875	535	173	7	439
162, 794	Same .....	May 4, 1875	57	18	7	754
162, 795	Same .....	May 4, 1875	57	18	7	754
170, 519	Brown, James M., Salem, Mass. Dish-cloth holder .....	Nov. 30, 1875	1189	375	8	924
170, 228	Brown, James O., assignor of part interest to Edwin Bayliss, Phiny F. Hodges, and François T. Lomont, Massillon, Ohio. Harvester .....	Nov. 23, 1875	910	284	8	876
170, 229	Same .....	Nov. 23, 1875	912	284	8	876
170, 230	Same .....	Nov. 23, 1875	913	284	8	877
170, 231	Same .....	Nov. 23, 1875	914	284	8	877
169, 949	Brown, Jerome B. and Sarah W., Willoughby, Ohio. Ointment .....	Nov. 16, 1875	634	205	7	832
162, 269	Brown, John, Buffalo, N. Y. Middlings-purifier .....	Apr. 20, 1875	300	205	7	672
158, 568	Brown, John A., Boston, Mass. Fare-registering device .....	Jan. 12, 1875	236	70	7	53
171, 264	Brown, John H., New York, N. Y. Machine for creasing fluted fabrics .....	Dec. 21, 1875	607	199	8	1046
164, 966	Brown, John L., assignor of one-half interest to William F. Robinson, Boston, Mass. Ironing-table .....	June 29, 1875	1085	350	7	1110
165, 299	Brown, John S., Washington, D. C. Curtain-fixture .....	July 6, 1875	140	43	8	28
165, 915	Brown, John S., Indianapolis, Ind. Seat-lock .....	July 27, 1875	721	240	8	153
6, 341	Brown, Jonathan C., deceased, assignor, by mesne assignments, to Julia A. Brown, Southfield, N. Y. Machine for cutting veneers .....	Mar. 23, 1875	1008	328 329	7	511
158, 398	Brown, Joseph R., and William A. Fosket, New Haven, Conn. Feed-water heater .....	Jan. 5, 1875	41	15	7	15
166, 451	Same .....	Aug. 10, 1875	276	82	8	245
166, 452	Same .....	Aug. 10, 1875	277	82	8	246
162, 023	Brown, Julia A. (See Brown, Jonathan C., assignor) .....					
164, 967	Brown, Leuthold C. (See Bacon & Brown.)					
162, 923	Brown, Maurice T., Tyler, Tex. Bale-tie .....	Apr. 13, 1875	385	129	7	634
164, 027	Brown, Mercileus P., Lexington, Mo. Wash-stand .....	June 29, 1875	1086	350	7	1110
168, 964	Brown, Nathan G. (See Peck, Charles O., assignor.)					
163, 633	Brown, Osmond M., and Walter R. Vaughan, Council Bluffs, Iowa. Hair-dressing machine .....	Oct. 19, 1875	620	266	8	669
166, 337	Brown, Perry, Louisville, Ky. Car-coupling .....	May 25, 1875	881	278	7	893
164, 071	Brown, Philo, Waterbury, Conn. Die for smoothing and shaping soldered tubes .....	Aug. 3, 1875	139	43	8	219
169, 951	Brown, Robert, Dayton, Ohio. Horse-rake .....	June 8, 1875	227	79	7	973
168, 714	Brown, Robert, Dayton, and Abel Hoover, Miamisburgh, Ohio. Rotating sliding rake for harvesters .....	Nov. 16, 1875	635	197	8	832
158, 671	Brown, Samuel, Lebanon, Mo. Combined drill, planter, and roller .....	Oct. 11, 1875	324	125	8	627
167, 640	Brown, Samuel N., and Henry W. Meyer, Dayton, Ohio. Feed-roller for planing-machines .....	Jan. 12, 1875	300	102	7	66
167, 739	Brown, Sarah W. (See Brown, Jerome B. and Sarah W.)					
8, 811	Brown, Susan B., Lowell, Mass. Sewing-machine .....	Sept. 14, 1875	344	76	8	447
8, 812	Brown, Thomas, Forest Lake, Pa. Sleigh .....	Sept. 14, 1875	327	105	8	460
165, 536	Brown, Thomas G., Newark, N. J. Sleeve-button and stud .....	Nov. 30, 1875	-----	-----	8	909
170, 518	Same .....	Nov. 30, 1875	-----	-----	8	969
159, 638	Brown, Warren L., and Joel B. Cramer, Dunlap, Iowa. Fence-wire stretcher .....	July 13, 1875	401	120	8	71
165, 300	Brown, Warren L., and Lawrence G. Tubbs, Dunlap, Iowa. Wire-fence barb .....	Nov. 30, 1875	1188	375	8	924
165, 300	Brown, William, Duaneanon, Pa. Sash-fastener .....	Feb. 9, 1875	372	123	7	244
158, 827	Brown, William A. (See Disbrow, Henry G., assignor.)					
158, 356	Brown, William A., Eureka, Ill. Bread-slicer .....	Jan. 19, 1875	460	154	7	103
169, 143	Brown, William D., Le Roy, Ill. Hog-ring blank .....	Jan. 5, 1875	6	2	7	9
169, 146	Brown, William G., Monmouth, Me. Perforating-stamp .....	Oct. 26, 1875	810	263	8	732
166, 496	Brown, William H., La Fayette, Ind. Draft equalizer .....	Mar. 30, 1875	1170	376	7	539
8, 718	Brown, William H., New York, N. Y. Elevator .....	Aug. 10, 1875	311	94	8	250
159, 496	Brownback, James, Thomas J. March, James Rogers, and Michael Towers, jr., Limerick Station, Pa. Cooking-stove .....	Oct. 19, 1875	-----	-----	8	645
6, 564	Brownback, Penrose W., Limerick, Pa. Mowing-machine .....	Feb. 9, 1875	254	82	7	227
158, 672	Browne, Charles A., and Isaac S., North Adams, Mass. Explosive compound .....	July 27, 1875	1048	-----	8	189
163, 845	Same .....	Jan. 12, 1875	300	102	7	66
162, 919	Browne, Charles L., Brooklyn, N. Y. Game apparatus .....	June 1, 1875	9	3	7	932
169, 950	Browne, Isaac S. (See Browne, Charles A. and Isaac S.)					
161, 324	Same .....					
6, 460	Same .....					
163, 450	Browne, John C., London, England. Screw-propeller .....	Apr. 27, 1875	969	311	7	722
169, 950	Browne, Newbern N., Woodstock, Ala. Geographical globe for schools .....	Nov. 16, 1875	635	197	8	832
162, 920	Brownell, Asa C., Brooklyn, N. Y. Bath-tub .....	Mar. 30, 1875	1026	334	7	521
163, 450	Brownell, Clark, assignor, by mesne assignments, to Newark Tea Tray Company, Newark, N. J. Platform for stoves .....	May 25, 1875	1071	337	7	918
163, 450	Brownell, Clark, Troy, N. Y. Evaporating-pan .....	May 12, 1875	691	221	7	861
169, 950	Brownell, Willis L., Brooklyn, N. Y. Combined compression and swing cook .....	Nov. 16, 1875	636	198	8	832
170, 704	Same .....	Dec. 7, 1875	47	14	8	937
167, 062	Browning, Joseph, assignor of one-half interest to William C. J. Wesley, and T. Elwood Allison, Philadelphia, Pa. Die for bolt-heading machines .....	Aug. 24, 1875	863	268	8	346
165, 658	Browning, Thomas H., et al. (See Matteson, Elisha, assignor.)					
159, 789	Brownlow, David R., and George W. Francis, Middletown, Conn. Compound for coating iron and other metals .....	July 20, 1875	527	-----	8	105
162, 920	Broyles, William S., Nola Clucky, Tenn. Corn-sheller .....	Feb. 16, 1875	534	178	7	271
170, 950	Brua, Samuel M., Martinsburgh, W. Va. Middlings-purifier .....	Apr. 27, 1875	970	312	7	723
7, 993	Bruce, Jacob S., Freeport, Ill. Feed-cooker .....	Nov. 16, 1875	718	228	8	844
168, 316	Bruce, David W. (See Horriet, Julius, assignor.)					
159, 891	Same .....					
163, 731	Bruce, David W., New York, N. Y. Font of printing-types .....	Jan. 12, 1875	-----	-----	7	47
163, 731	Bruce, Lucien F., Springfield, Mass. Artist's shading-stump .....	Oct. 5, 1875	2	1	8	565
163, 731	Bruce, Norman H., Clinton, Mass. Knitted garment .....	Feb. 16, 1875	630	209	7	283
163, 731	Brucek, Gustav, New York, N. Y. Apparatus for mounting fans .....	May 25, 1875	962	304	7	903



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165, 537	Buffon, Hugh P., Cleveland, Ill. Globe-valve	July 13, 1875	401	120	8	71
6, 675	Buffum, Albion K. P., assignor of part interest to Hartley W. Jewett and Sanford N. Maxey, Gardiner, Me. Machine for making wooden gutters for buildings. (Reissue.)	Oct. 5, 1875	218	70	8	595
167, 641	Bugbee, Almond, South Bend, Ind. Propelling canal-boats.	Sept. 14, 1875	245	76	8	447
161, 590	Bugbee, Alpheus, Elkhart, Ind., assignor to Samuel A. Harris, Minneapolis, Ind. Horse hay-rake	Apr. 6, 1875	4	2	7	569
163, 453	Bugbee, George W., assignor to J. A. Fay & Co., Cincinnati, Ohio. Sawing-machine	May 18, 1875	694	221	7	861
164, 139	Buhler, Matthew, Lamoille, Ill. Peg-cutter	June 8, 1875	286	97	7	980
167, 297	Buhlmann, Theodor, Cham-Zug, Switzerland. Grain-cleaner	Aug. 31, 1875	1095	343	8	386
161, 747	Buist, David, and Charles E. Alden, Philadelphia, Pa. Broadcast seeding-machine	Apr. 6, 1875	136	47	7	588
	Bukey, Thomas B. (See Hitchens, Joseph, assignor.)					
159, 388	Bulger, James, jr., Williamsburgh, N. Y. Valve for engines	Feb. 2, 1875	130	45	7	202
165, 153	Bulger, James, and Nicholas Inglis, Muskegon, Mich. Rein-holder	July 6, 1875	7	3	8	10
163, 047	Bulkley, Benjamin F., Southport, Conn. Wagon end-gate	May 11, 1875	308	99	7	794
158, 673	Bulkley, Charles, Philadelphia, Pa. Tooth brush	Jan. 12, 1875	301	102	7	66
167, 642	Bulkley, Henry W., New York, N. Y. Condenser	Sept. 14, 1875	246	76	8	447
	Bull, Elijah, et al. (See Wemyss, Alexander, assignor.) (Design.)					
168, 871	Bull, George M., New Baltimore, N. Y. Lamp-chimney	Oct. 19, 1875	535	175	8	656
159, 068	Bull, Henry C., New York, N. Y., assignor to self and M. A. Southworth, New Orleans, La. Safety-valve	Jan. 26, 1875	709	233	7	143
	Same..... Steam-generator	Jan. 26, 1875	709	233	7	144
159, 070	Same..... Truck for street-railway cars	Jan. 26, 1875	711	234	7	144
159, 071	Same..... Adjusting apparatus for cut-off valves	Jan. 26, 1875	711	234	7	144
169, 413	Bull, Henry C., New York, N. Y. Breech-loading fire-arm	Nov. 2, 1875	86	26	8	746
159, 072	Bull, William, Ewell, England. Brick-kiln	Jan. 26, 1875	712	234	7	144
158, 901	Bulloch, Thomas, Cincinnati, Ohio. Machine for forming rands for boot and shoe heels.	Jan. 19, 1875	531	178	7	112
171, 093	Bulloch, William, deceased, Philadelphia, Pa., by Richard Vose, administrator. Machine for dampening paper	Dec. 14, 1875	412	137	8	1013
	Bullock, Charles K. (See Custer, Christian, assignor.)					
8, 799	Bullock, Horace W., assignor to self and Orvis W. Bullock, Springfield, Mass. Watch-key	Nov. 23, 1875			8	862
159, 893	Bullock, John, Deep River, Mich. Bee-hive	Feb. 16, 1875	632	209	7	284
163, 538	Bullock, Milan C., New York, N. Y. Conical-roller thrust-bearing	July 13, 1875	402	130	8	72
163, 539	Same..... Rock-drilling machine	July 13, 1875	403	121	8	72
165, 787	Same..... Expansion-drill	July 20, 1875	643	197	8	121
	Bullock, Orvis W. (See Bullock, Horace W., assignor.) (Design.)					
	Bullock Printing Press Company. (See Rosquist, George, assignor.)					
165, 659	Bullock, William M., assignor of one-half interest to Adolphus Cutting, La Grange, Ind. Registering board-rule	July 20, 1875	528	161	8	105
159, 983	Bullough, James, deceased, Justin A. Ware, administrator, and assignor to George Crompton, Worcester, Mass. Stopping-mechanism for looms	Feb. 16, 1875	712	236	7	294
159, 984	Same..... same	Feb. 16, 1875	713	236	7	294
159, 985	Same..... same	Feb. 16, 1875	715	237	7	295
159, 986	Same..... same	Feb. 16, 1875	716	238	7	295
170, 935	Same..... same	Dec. 14, 1875	265	88	8	993
	Bullymore, Richard, Buffalo, N. Y. Fining and cooling lard in casks for transportation.	Dec. 14, 1875	265	88	8	993
171, 213	Bumann, Frank. (See Knapp, William B., assignor.)					
	Bumbaugh, Isaac N., Pittsburgh, Pa. Nail-separator	Dec. 21, 1875	559	184	8	1040
	Bumpus, Delos H. (See Gordon & Bumpus.)					
168, 872	Bumpus, Elisha M., Rochester, Mass. Horseshoe	Oct. 19, 1875	535	175	8	656
164, 149	Bundy, Clinton D., Lima, N. Y. Thill-coupling	June 8, 1875	2-6	98	7	981
167, 298	Bunnell, Benjamin B., and George T. B. Hosley, Branford, Conn. Molding-flask	Aug. 31, 1875	1096	344	8	387
167, 299	Same..... same	Aug. 31, 1875	1097	344	8	387
159, 894	Bunnell, Jesse H., assignor to Patrick Bunnell & Co., Philadelphia, Pa. Telegraph-sounder	Feb. 16, 1875	632	210	7	284
166, 067	Bunnell, William T., and Anson G. Roman, Ottawa, Canada; said Roman, assignor to said Bunnell. Clothes-wringer	July 27, 1875	926	286	8	172
162, 025	Burbank, Asa L. (See Rice & Burbank.)					
162, 026	Burbank, Samuel D., Springfield, Mass. Eyeglass	Apr. 13, 1875	386	139	7	634
161, 748	Same..... same	Apr. 13, 1875	386	130	7	634
	Burch, William, Austinburgh, Ohio. Invalid-chair	Apr. 6, 1875	137	47	7	588
163, 846	Burche, Samuel Q. A., et al. (See Murphy, Benjamin R., assignor.)					
	Burchett, Ebenezer S., London, England. Match box	June 1, 1875	9	3	7	932
	Burchfield, Thomas J. (See Rogers, William, assignor.)					
170, 706	Burden, James, Birmingham, England. Steam-pressure gage	Dec. 7, 1875	49	14, 15	8	957
160, 257	Burdett, Riley, Erie, Pa. Pedal attachment for organs, &c.	Mar. 2, 1875	4	2	7	349
164, 518	Same..... Organ-stop knob	June 15, 1875	649	210	7	1037
167, 740	Burdge, Johnson M. (See McOmber, Sauford W., assignor.)					
	Burdick, Isaac N., New York, N. Y. Nail-extractor	Sept. 14, 1875	328	105	8	460
162, 135	Burdiet, Orrin C., Buffalo, N. Y. Machine for forging wrench-bar heads	Sept. 28, 1875	729	130	8	532
168, 136	Burge, Gottlieb, Kittanning, Pa. Running-gear	Sept. 28, 1875	723	131	8	532
165, 255	Burge, John, Circleville, Ohio. Time-lock	Aug. 3, 1875	65	20	8	208
163, 733	Burge, William, Maumee, assignor of one-half interest to Timothy W. Ryan, South Toledo, Ohio. Scaffold.	May 25, 1875	964	305	7	904
170, 813	Burger, Franz, assignor of one-half interest to Samuel N. Hoyt, Washington, D. C. Coal-oil motor	Dec. 7, 1875	142	47	8	969
	Burger, Theodore W., et al. (See Jewell, Tryon J. M., assignor.)					
159, 538	Burger, Theodore W., and Jacob A. Graff, New York, N. Y. Canister	Feb. 9, 1875	299	97	7	233
159, 895	Burger, Theodore W., Plainfield, N. J. Register pepper-box	Feb. 16, 1875	633	210	7	284
168, 829	Burgess, Andrew, Hartford, Conn. Breech-loading fire-arm	Oct. 19, 1875	499	162	8	651
168, 966	Burgess, Andrew, Owego, N. Y. Magazine fire arm	Oct. 19, 1875	621	206	8	669
161, 0-3	Same..... same	Oct. 26, 1875	753	246	8	694
159, 639	Burgess, David F., Lockport, N. Y. Baby-jumper	Feb. 9, 1875	372	124	7	244
167, 9-6	Burgess, Hugh, Royer's Ford, Pa. Process of decomposing cryolite	Sept. 21, 1875	554		8	501
168, 222	Same..... Anti-incrustating compound	Sept. 25, 1875	606		8	543
169, 144	Burgess, Warren, Tonica, Ill. Saw-set	Oct. 26, 1875	811	263	8	702
167, 741	Burgess, William H., Jackson, N. C. Cotton and hay press	Sept. 14, 1875	329	105	8	460
162, 527	Burgess, William V., Baxter Springs, Kans. Seed-planter	Apr. 27, 1875	893	286	7	713
165, 706	Burghart, John M., Great Barrington, Mass. Paper-stock-grinding machine	July 20, 1875	569	174	8	111

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159, 790	Burgher, Peter D., Deep Creek, Va. Shingle-planing machine.....	Feb. 16, 1875	535	179	7	271
163, 974	Same.....Saw-sharpening machine.....	June 1, 1875	112	38	7	946
164, 068	Same.....sawing.....	June 1, 1875	200	72	7	958
158, 778	Burk, Hiram C., Zoar Station, Ohio. Animal-trap.....	Jan. 19, 1875	413	{ 138 139 }	7	97
	Burk, William H. (See Orme & Burk.)					
159, 640	Burke, Benjamin F., Sullivan, Ind. Soap-compound.....	Feb. 9, 1875	373		7	244
168, 317	Burke, George H., Springfield, Vt. Toy table.....	Oct. 5, 1875	3	1	8	565
158, 357	Burke, James, Ottawa, Ill. Corn-sheller.....	Jan. 5, 1875	7	2	7	9
165, 406	Burke, John, Sycamore, Ill. Seed-sower.....	July 13, 1875	276	82	8	53
165, 707	Burke, John, Newburyport, Mass. Hose-spawner.....	July 20, 1875	569	174	8	111
169, 519	Burke, Melancthon T., Portsmouth, Ohio. Trace-buckle.....	Nov. 2, 1875	177	59	8	759
	Berke, Thomas. (See Quernor & Burko.)					
169, 084	Burkert, John M., Savannah, Ga. Umbrella-runner.....	Oct. 26, 1875	754	246	8	694
	Burkhard, Thomas. (See Cairns, William, assignor.)					
165, 301	Burkhard, Thomas, New York, N. Y. Vessel for measuring and handling ice-cream, &c.	July 6, 1875	142	43	8	28
162, 921	Burkhardt, Gustav, and Charles E. Harden, Homer, Ill. Weather-strip.....	Apr. 27, 1875	971	312	7	723
162, 528	Burleigh, Charles, Fitchburgh, Mass. Rock-drill.....	Apr. 27, 1875	894	286	7	713
	Burleigh, Samuel G. (See Curtiss & Burleigh.)					
167, 643	Burlingame, Edward, Centreville, R. I. Apparatus for making vinegar.....	Sept. 14, 1875	246	76	8	447
164, 258	Burlingame, Oliver F., Sterling, assignor of one-half interest to F. E. Palmer, Rock Falls, Ill. Ironing-table.....	June 8, 1875	396	134	7	995
8, 451	Burnap, William H., Jersey City, N. J. Metal case for electro-magnetic machines. (Design.)	July 6, 1875			8	3
161, 005	Burnet, William, Chicago, Ill. Artificial marble and process of molding the same.....	Mar. 23, 1875	707		7	472
161, 001	Burnett, Henry K., Poughkeepsie, N. Y. Hay and cotton press.....	Mar. 23, 1875	885	291	7	496
171, 349	Same.....Cotton and other presses.....	Dec. 21, 1875	680	224	8	1056
158, 622	Burnett, Marshall, Hyde Park, Mass. Hydrant.....	Jan. 12, 1875	254	86	7	60
163, 572	Burnett, Oswald, Irvington, assignor of three-fourths interest to C. H. Albertson and Benjamin Hall, Vienna, N. J. Rotary engine.....	May 25, 1875	823	260	7	885
162, 150	Burnham, Charles, and Joseph G. Taite, Philadelphia, Pa. Gas-stove.....	Apr. 20, 1875	519	171	7	658
159, 151	Burnham, George, Philadelphia, Pa. Method of towing boats.....	Jan. 26, 1875	782	257	7	154
167, 360	Burnham, George, jr., Yardleyville, Pa. Neck-tie retainer.....	Aug. 31, 1875	1097	345	8	387
159, 641	Burnham, Henry N., Bushnell, Ill. Automatic gate.....	Feb. 9, 1875	373	124	7	244
169, 770	Burnham, Nathaniel, Amboy, Ill. Fence-wire stretcher.....	Nov. 9, 1875	455	144	8	802
160, 871	Burnham, Robert F., and William F. Strong, Charleston, S. C. Signal-light for railway-cars.....	Mar. 16, 1875	583	189	7	446
160, 811	Burnham, Theodore C., Waco, Tex. Cotton-chopper.....	Mar. 16, 1875	536	174	7	439
	Burnham, William H. (See Wallis & Harbach, assignors.)					
169, 771	Burnitz, Christian, Chicago, Ill. Sofa-bedstead.....	Nov. 9, 1875	456	144	8	802
169, 145	Burns, Dorinda F., New York, N. Y. Bird cage.....	Oct. 26, 1875	812	263	8	702
167, 301	Burns, Frank, Waltham, Mass. Knitting-machine and knit fabric.....	Aug. 31, 1875	1098	345	8	387
	Burns Machine Company. (See Burns, Robert F., assignor.)					
168, 223	Burns, Peter, San Francisco, Cal. Bleaching-soap.....	Sept. 28, 1875	606		8	543
158, 569	Burns, Robert F., assignor to Burns Machine Company, New York, N. Y. Edge-rim- ing machine for boot and shoe soles.....	Jan. 12, 1875	207	70, 71	7	53
159, 539	Burns, Susanna E., Eastport, Mo. Corsets.....	Feb. 9, 1875	300	97	7	233
165, 708	Burns, William H., Chicago, Ill. Graining-roller.....	July 20, 1875	370	174	8	111
164, 969	Burnside, George W., Prairieburgh, Iowa. Vehicle-tongue support.....	June 29, 1875	1088	350	7	1111
159, 152	Burr, Algeron A., Compton, Ill. Pump.....	Jan. 26, 1875	783	257	7	154
8, 495	Burr, David A., Philadelphia, Pa. Steam and vacuum pump..... (Design.)	July 27, 1875			8	148
160, 812	Burr, George W., East Line, N. Y. Sectional bucket for pumps.....	Mar. 16, 1875	537	174	7	440
167, 064	Same.....Self-packing piston-connection.....	Aug. 24, 1875	864	269	8	347
161, 478	Burr, James H., Cahoka, Mo., assignor of one-third interest to Gilman White. Sewing- machine.....	Mar. 30, 1875	1171	376	7	540
170, 707	Burr, Melbourne C., assignor of one-half interest to Frances L. Williams, Minneapolis, and Eliza E. Newport, Brainerd, Minn. Game apparatus.....	Dec. 7, 1875	50	15	8	957
6, 809	Burr, Milo S., Boston, Mass. Nursing-bottle..... (Reissue.)	Dec. 21, 1875	783	259	8	1070
8, 037	Burr, Russell H., assignor to C. Rogers & Brothers, West Meriden, Conn. Coffin- screw head..... (Case A. Design.)	Feb. 2, 1875			7	181
8, 038	Same.....same..... (Case B. Design.)	Feb. 2, 1875			7	181
8, 039	Same.....Coffin-handle socket..... (Case C. Design.)	Feb. 2, 1875			7	181
158, 902	Burras, Edward J. W., parish of Lambeth, England, assignor of one-half interest to George G. Brewer, Baltimore, Md. Metal-coating composition.....	Jan. 19, 1875	533		7	113
	Burrell, David H., et al. (See Sedgwick, Alonzo and Edwin H., assignors.)					
	Burrell, Ives & Co. (See Fairchild, Curtis T., assignor.)					
158, 358	Burridge, Thomas H., assignor of one-half interest to James W. Butcher, Saint Louis, Mo. Car-axle box.....	Jan. 5, 1875	7	3	7	10
171, 095	Burridge, Thomas H., assignor of two-thirds interest to William H. Swift and Jeremiah Fruin, Saint Louis, Mo. Brick-machine.....	Dec. 14, 1875	415	138	8	1013
159, 153	Burroughs, Alma, Nunda Station, N. Y. Carpet-fastener.....	Jan. 26, 1875	784	257	7	154
6, 663	Burrows, William, New York, N. Y., assignor to Jordan L. Mott. Stove..... (Reissue.)	Sept. 28, 1875	895	285	8	555
8, 441	Burrows, William, assignor to J. L. Mott Iron Works, New York, N. Y. Stove. (Design.)	June 29, 1875			7	1098
160, 644	Barrows, William, Brooklyn, N. Y. Hot-air furnace.....	Mar. 9, 1875	357	120	7	409
165, 208	Barrows, William, assignor to Jordan L. Mott, New York, N. Y. Stove.....	July 6, 1875	65	19	8	17
164, 734	Barrows, William T., assignor of one-half interest to N. B. Ridgway and M. Rosen- baum, Nashua, Iowa. Windmill.....	May 25, 1875	965	305	7	904
166, 338	Barson, David C., Philadelphia, Pa. Machine for converting motion.....	Aug. 3, 1875	140	43	8	219
170, 468	Barson, William W., and John Nelson, assignors of one-third interest to Ralph Em- erson and William A. Talcott, Rockford, Ill. Knitting-machine.....	Nov. 30, 1875	1142	360	8	917
160, 748	Bart, Edwin, Washington, D. C. Breech-loading fire-arm.....	Mar. 16, 1875	472	{ 154 155 }	7	432
168, 608	Bart, Foght, Van Wert, Ohio. Horizontal wind-wheel.....	Oct. 11, 1875	289	94	8	612
162, 217	Bart, George, Denver, Colo. Door-check.....	Apr. 20, 1875	580	190	7	666
168, 556	Same.....Door-securer.....	Oct. 11, 1875	238	78	8	605
161, 663	Bart, George E., Harvard, Mass. Horse-power.....	Apr. 6, 1875	66	24	7	578
161, 927	Bart, William L., Boston, and George H. Little, Peabody, Mass. Steam and air brake.....	Apr. 13, 1875	310	{ 103 104 }	7	624
158, 623	Burtis, Jacob H., El Paso, Ill. Fly-trap.....	Jan. 12, 1875	255	86	7	60
163, 439	Burtless, Mablon, Seneca Falls, N. Y. Portable fence.....	July 13, 1875	310	91	8	58
168, 967	Burtless, Martin E., Seneca Falls, N. Y. Ditching-machine.....	Oct. 19, 1875	623	{ 206 207 }	8	369
160, 649	Burton, Bethel, Brooklyn, N. Y. Cartridge-loading implement.....	Feb. 23, 1875	792	261	7	313
158, 674	Burton, Carless, New Baltimore, Ohio. Bench-vice.....	Jan. 12, 1875	301	102	7	66

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160, 645	Burton, James N., Warnerville, Ga. Hoe.....	Mar. 9, 1875	358	121	7	409
164, 803	Burton, John B. (See Burton, William T. and John B.) Burton, William S., assignor of one-third interest to John S. Lawrence, Maryville, Tenn. Car-coupling.....	June 22, 1875	917	297	7	1081
158, 359	Burton, William T. and John B., Boston, Mass. Vehicle device for checking horses.....	Jan. 5, 1875	8	3	7	10
158, 399	Burville, James L., assignor of one-half interest to William H. H. Dunn, Bainbridge, Ohio. Thill-coupling.....	Jan. 5, 1875	43	15	7	15
163, 735	Busch, Carl, El Paso, Ill. Steamer and boiler.....	May 25, 1875	966	305	7	904
160, 872	Busch, Henry E., assignor to Samuel T. and Edwin L. Lloyd, Philadelphia, Pa. Cur- tain-fixture.....	Mar. 16, 1875	583	190	7	446
167, 874	Busell, James H., Boston, Mass. Heel and sole trimming machine.....	Sept. 21, 1875	470	149	8	488
158, 829	Busey, William C., San Francisco, Cal. Faucet.....	Jan. 19, 1875	462	155	7	104
170, 986	Bush, Edwin C., et al. (See Hollis, John W., assignor.)					
170, 986	Bush, Martin L., Huntington, Ohio. Milk cooler and heater.....	Dec. 14, 1875	318	105	8	1000
170, 154	Bush, Richard G., Jamestown, N. Y. Tuck-marker.....	Nov. 23, 1875	845	264	8	868
159, 896	Bush, Rufus T., New York, N. Y. Nozzle for cans.....	Feb. 16, 1875	634	210	7	284
164, 902	Bush, William, Chicago, Ill. Velocipede.....	June 29, 1875	1029	332	7	1103
168, 717	Bushell, Edward A., Oakland, Cal. Knife sharpener and polisher.....	Oct. 11, 1875	386	126	8	627
6, 221	Bushfield, Samuel B., Baltimore, Md. Slate-frame. (Reissue.)	Jan. 12, 1875	393	132	7	79
	Bushnell, Allen R. (See Shrader, Charles D., assignor.)					
169, 955	Bushnell, Henry, New Haven, Conn. Chain-belt.....	Nov. 16, 1875	638	199	8	832
164, 635	Bushnell, John B., Fond du Lac, Wis. Seeding-machine.....	June 22, 1875	761	250	7	1061
160, 387	Bushnell, Selon H., Fairport, N. Y. Herse hay-rake.....	Mar. 2, 1875	114	41, 42	7	365
	Bushnell, Winslow, et al. (See Prosser, Treat T., assignor.)					
161, 749	Buss, Charles and George F., Marlborough, N. H. Planing-machine.....	Apr. 6, 1875	138	48	7	589
	Buss, George F. (See Buss, Charles and George F.)					
6, 785	Bussey, Esck, assignor of one-half interest to Charles A. McLeod, Troy, N. Y. Cooking- stove..... (Reissue.)	Dec. 7, 1875	251	84, 85	8	984
161, 479	Bussey, Esck, assignor to self and Charles A. McLeod, Troy, N. Y. Magazine-stove.....	Mar. 30, 1875	1172	377	7	540
166, 339	Bussey, William C., San Francisco, Cal. Basin-faucet.....	Aug. 3, 1875	140	43	8	219
163, 736	Buswell, Columbus, Etna, Me. Harrow.....	May 25, 1875	967	306	7	904
	Butcher, James W. (See Burrige, Thomas H., assignor.)					
	Butcher, Thomas P. (See Eskey, Samuel S., assignor.)					
158, 820	Buterworth, Abel L., Franklin, N. H. Shoe-knife.....	Jan. 19, 1875	462	155	7	104
159, 073	Butler, Beauman, Saint Johnsbury Centre, Vt. Harrow and planter.....	Jan. 26, 1875	714	{ 235 236 }	7	144
158, 400	Butler, James, Philadelphia, Pa. Paper-making machine.....	Jan. 5, 1875	43	15	7	15
165, 154	Butler, James D., Lancaster, Mass. Game apparatus.....	July 6, 1875	7	3	8	10
	Butler, James W. (See Milroy & Butler.)					
166, 745	Butler, John, Berlin, Wis. Churn.....	Aug. 17, 1875	552	169	8	294
160, 569	Butler, John G., New York, N. Y. Projectile for ordnance.....	Mar. 9, 1875	493	99	7	400
163, 149	Same..... Ordnance.....	May 11, 1875	400	129	7	807
168, 318	Same..... Sabot for projectiles.....	Oct. 5, 1875	4	2	8	565
168, 447	Same..... Projectile for ordnance.....	Oct. 5, 1875	112	38	8	581
169, 235	Butler, Stephen D., Chicago, Ill. Bedstead-fastening.....	Oct. 26, 1875	889	289	8	713
166, 497	Butler, Theodore, Melrose, N. Y. Pump.....	Aug. 10, 1875	312	94	8	251
6, 664	Butler, William A., New York, N. Y. Water-trap..... (Reissue.)	Sept. 25, 1875	896	285	8	555
6, 665	Same..... same..... (Reissue.)	Sept. 25, 1875	896	286	8	555
163, 737	Same..... Drain-screw attachment for stench-traps.....	May 25, 1875	968	306	7	904
163, 302	Same..... Water-trap.....	July 6, 1875	143	44	8	28
170, 051	Same..... Machine for making sheet-metal traps or bends.....	Nov. 16, 1875	719	228	8	844
159, 791	Butler, William H., Brooklyn, N. Y. Bolt-work for safe-doors, &c.....	Feb. 16, 1875	536	179	7	271
159, 897	Same..... Safe-deposit box.....	Feb. 16, 1875	635	{ 210 211 }	7	284
161, 928	Butler, William P., Syracuse, N. Y. Refrigerator.....	Apr. 13, 1875	312	104	7	624
161, 750	Butman, Henry, Brooklyn, N. Y. Folding table.....	Apr. 6, 1875	139	48	7	589
170, 708	Butt, Dennis L. R., Pilot Point, Tex. Adding-machine.....	Dec. 7, 1875	50	15	8	457
163, 357	Buttenberg, Henry, and William R. Hodges, Memphis, Tenn. Crib.....	May 18, 1875	612	196	7	851
	Butterfield, Benjamin M. (See Hunt & Butterfield.)					
170, 936	Butterfield, Charles F., Garden City, Minn. Grain-separator.....	Dec. 14, 1875	266	89	8	993
168, 448	Butterfield, Marshal K., and Alfred D. Holliday, Redwood Falls, Minn. Sample-box.....	Oct. 5, 1875	113	38	8	581
168, 968	Buttermore, Provance M., Connelleville, Pa. Scraper for coals-ovens.....	Oct. 19, 1875	625	207	8	669
	Butters, James M. (See Bean & Butters.)					
163, 150	Butterworth, Charles C. (See Butterworth, James, assignor.) Butterworth, James, assignor to James and Charles C. Butterworth, Philadelphia, Pa. Drying-cylinder.....	May 11, 1875	401	129	7	807
161, 751	Butterworth, Robert, Trenton, N. J. Screw and toggle-lever press.....	Apr. 6, 1875	140	48	7	589
171, 094	Butterworth, William H., Trenton, N. J. Horse-power.....	Dec. 14, 1875	413	{ 137 138 }	8	1013
158, 903	Buttles, Cephas A., Milwaukee, Wis. Fountain-sprinkler.....	Jan. 19, 1875	534	178	7	113
158, 401	Buttles, Reuben P., Mansfield, Pa. Combined towel-rack and wash-stand.....	Jan. 5, 1875	44	16	7	15
159, 561	Button, Alphonso, East Saginaw, Mich. Combined tool.....	Feb. 9, 1875	315	103	7	238
159, 499	Buttrick, Charles G., and Timothy B. Flanders, Holyoke, Mass. Apparatus for oiling spindles.....	Feb. 9, 1875	256	83	7	228
167, 823	Same..... same.....	Sept. 21, 1875	422	134	8	481
164, 072	Butz, Edward M., and George M. Jones, Allegheny, Pa. Sectional steam-generator.....	June 8, 1875	228	80	7	973
6, 351	Buxton, John E., and Thomas J. Howe, Owatonna, Minn. Harvester..... (Reissue.)	Mar. 30, 1875	1278	411	7	554
168, 609	Buxton, John E., Owatonna, Minn. Harvester.....	Oct. 11, 1875	290	94, 95	8	613
168, 224	Buxton, Levi W., Nashua, N. H. Heel-protector for boots and shoes.....	Sept. 28, 1875	807	256	8	543
162, 896	Buzorf, Frederick. (See Weiss, Emanuel, assignor.)					
162, 896	Buzorf, Albert G., Philadelphia, Pa. Magic lantern.....	May 4, 1875	145	47	7	766
162, 897	Same..... same.....	May 4, 1875	146	47	7	766
	Byam, Eber C. (See Byam, William W., assignor.)					
171, 096	Byam, William W., Rochester, N. Y., assignor of one-half interest to Eber C. Byam, Fort Dodge, Iowa. Blind-slat adjuster.....	Dec. 14, 1875	416	139	8	1013
166, 746	Byer, John R., assignor to self and A. H. Fish, Attica, Mich. Tram-stick.....	Aug. 17, 1875	553	170	8	294
164, 672	Byerley, Francis X., Cleveland, Ohio. Apparatus for purifying paraffine.....	June 22, 1875	794	{ 260 261 }	7	1066
	Byers & Son, Eby. (See Patton & Walters, assignors.)					
160, 813	Byington, Justin, Wilmington, Del. Grate.....	Mar. 16, 1875	537	174	7	440
159, 898	Byram, Frank A., Philadelphia, Pa. Combined camp-stool and cane.....	Feb. 16, 1875	637	211	7	284
160, 304	Byram, Henry C., Dover, N. J. Millstone-balance.....	Mar. 2, 1875	41	16	7	351
159, 540	Byrn, Edward W., Washington, D. C. Coal-hod.....	Feb. 9, 1875	300	97	7	233
160, 873	Byrn, Edward W., assignor to self and Thomas P. Rea, Washington, D. C. Coal-hod.....	Mar. 16, 1875	684	190	7	416
	Byrne, George P. (See Griffith & Byrne.)					



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr.'t.	Vol.	Page.
166, 340	Byrom, Samuel, and Francis Clewley, assignors of one-third interest to Joseph D. McKee, Philadelphia, Pa. Looping attachment for sewing-machines.....	Aug. 3, 1875	141	44	8	219
166, 256	Cable, J. H., et al. (See Finley, James R., assignor.)					
169, 889	Cable, Wheeler, Boston, Mass. Rubber-coated fabric.....	Aug. 3, 1875	66		8	208
6, 778	Cabot, Ferdinand W., Mansfield, Mass. Coffin-screw.....	Nov. 16, 1875	583	181	8	825
171, 350	Caddick, Samuel, Pembroke, Me. Pudding-furnace..... (Reissue.)	Dec. 7, 1875	241	82, 83	8	983
160, 388	Cade, Baylus, Scott's Depot, V. Va. Railway-telegraph.....	Dec. 21, 1875	681	224	8	1056
160, 389	Cadenhead, Benjamin F., Bolingbroke, Ga. Car-coupling.....	Mar. 2, 1875	115	42	7	365
169, 772	Same..... Cotton-seed planter.....	Mar. 2, 1875	115	42	7	365
165, 981	Cadwallader, Charles N., Philadelphia, Pa. Convertible chair.....	Nov. 9, 1875	457	144	8	802
165, 981	Cady, Augustus P. (See Kellogg, Orson W., assignor.)					
165, 474	Cady, Collins M., Peninsula, Ohio. Registering-machine.....	July 27, 1875	849	261	8	161
159, 389	Cady, Monroe M. (See Henion, John B.)					
159, 389	Cady, Ransom E., assignor to Globe Nail Company, Boston, Mass. Conductor for nail-rolling machines.....	July 13, 1875	346	101	8	63
162, 027	Caffall, Robert M., and Alfred Thomas, London, England. Apparatus for sealing and unsealing dip-pipes in gas hydraulic mains.....	Feb. 2, 1875	131	46	7	203
6, 561	Caffrey, Charles S., Camden, N. J. Carriage-spring attachment.....	Apr. 13, 1875	387	130	7	624
164, 903	Cahill, William, Syracuse, N. Y. Kneeling-stool..... (Reissue.)	July 27, 1875	1046	322	8	189
164, 903	Caboon, Charles W., Portland, Me. Lamp..... (Extension.)	Feb. 18, 1875			7	387
164, 903	Caboon, J. Joseph, Memphis, Tenn., assignor of one-fourth interest to Thomas H. Caboon, Cleveland, Ohio. Cotton-compressor.....	June 29, 1875	1030	332	7	1103
6, 601	Caboon, Thomas H. (See Caboon, J. Joseph, assignor.)					
161, 325	Cabone, Edwin R. (See Maclure, John, assignor.)					
160, 390	Cabuc, Raymond, Toulouse, France. Explosive compound..... (Reissue.)	Aug. 17, 1875	716		8	318
162, 922	Same..... Mining-powder.....	Mar. 30, 1875	1027		7	521
167, 153	Cain, Cornelius H., Jefferson, Ind. Swing.....	Mar. 2, 1875	116	42, 43	7	365
159, 899	Cain, Jacob, Altoona, Pa. Broom-hanger.....	Apr. 27, 1875	971	312	7	723
167, 153	Cain, Michael, Neversink, N. Y. Rein-holder.....	June 29, 1875	1089	351	7	1111
169, 146	Cain, Thomas, Lako Douglas, Great Britain. Grate-bar.....	Aug. 31, 1875	974	303	8	369
169, 146	Cairns, William, Jersey City, N. J., assignor to self and Thomas Burkhard, New York, N. Y. Apparatus for sugar-coating confectionery, pills, &c.....	Feb. 16, 1875	637	211	7	284
164, 422	Calder, F. K. (See Hines & Fessler, assignors.)					
164, 422	Caldwell, Andrew W., Gainesville, Ga. Wringer attachment to wash-tubs.....	Oct. 26, 1875	813	264	8	702
164, 715	Caldwell, George B., Philadelphia, Pa. Machine for manufacturing vapor-gas.....	June 15, 1875	568	184 } 185 }	7	1026
163, 299	Caldwell, Henry W., Indianapolis, Ind. Grain-conveyer.....	June 22, 1875	838	272	7	1071
167, 742	Caldwell, James F., et al. (See Jervold, John E., assignor.)					
169, 338	Caldwell, John K., Philadelphia, Pa. Brick-machine.....	May 18, 1875	558	179	7	843
168, 610	Same..... Pulverizing-machine for clay and similar substances.....	Sept. 14, 1875	330	106	8	460
168, 611	Caldwell, Joseph K., assignor to self and John L. Kates, Philadelphia, Pa. Furnace.....	Nov. 2, 1875	15	5	8	736
168, 612	Caldwell, Nathaniel, Cincinnati, Ohio. Lard-tank skimmer.....	Oct. 11, 1875	292	95	8	613
166, 068	Same..... Lard-rendering tank.....	Oct. 11, 1875	293	95	8	613
166, 845	Same..... Hog-litter.....	Oct. 11, 1875	294	95	8	613
160, 003	Caldwell, Robert W., Zanesville, Ohio. Child's carriage.....	July 27, 1875	927	286	8	172
163, 635	Same..... Baby-jumper.....	Aug. 17, 1875	636	198	8	307
158, 402	Caldwell, William G., Three Rivers, Mich. Relishing-machine.....	Feb. 23, 1875	754	249	7	308
167, 494	Callkins, Allen C., et al. (See Prosser, Treat T., assignor.)					
167, 494	Callkins, Ripley K., Saint Joseph, Mo. Sash-holder.....	May 25, 1875	883	278	7	893
164, 362	Call, George W., Nashua, N. H. Car-coupling.....	Jan. 5, 1875	45	16	7	15
171, 597	Call, Manfred, Richmond, Va. Cotton-sweep.....	Sept. 7, 1875	98	31	8	420
164, 362	Callbreath, John C. (See Mott, Henry, assignor.)					
164, 362	Calley, Freeman A., assignor to Charles G. Sargeut, Graniteville, Mass. Knit fabric.....	June 15, 1875	500	168	7	1019
164, 362	Calverley, Joseph. (See MacDonald & Calverley.)					
164, 362	Calvert, John S., Denver, Colo. Gold-washer.....	Dec. 28, 1875	927	304	8	1098
159, 390	Cambridgeport Dairy Company. (See Dresser, Edwin, assignor.)					
165, 449	Came, John E., Boston, Mass. Bolt for billiard-tables.....	Feb. 2, 1875	132	46	7	203
169, 085	Cameron, Archibald, Charleston, S. C. Lever-press.....	Oct. 5, 1875	113	39	8	581
169, 165	Cameron, James A. (See Lemon & Cameron.)					
169, 165	Cameron, James A. (See Lemon, Cameron & Hainer.)					
169, 165	Cameron, James W., New York, N. Y. Revolving game apparatus.....	Oct. 26, 1875	755	246	8	694
169, 166	Cameron, Peter, Salford, Great Britain. Folding table.....	Feb. 23, 1875	882	291	7	326
169, 166	Cameron, Peter, Oshkosh, Wis. Clothes-frame.....	Feb. 23, 1875	883	291	7	326
169, 956	Cammeyer, William H. (See Lewis, Samuel, assignor)..... (Reissue.)					
161, 262	Camp, Charles B., and Christian Osterhout, White Pigeon, Mich. Washing-machine clamp.....	Nov. 16, 1875	639	199	8	833
165, 710	Camp, Horace B., Cuyahoga Falls, Ohio. Machine for making curved earthenware pipes.....	Mar. 23, 1875	886	291	7	496
160, 157	Same..... Machine for forming sockets on curved earthenware pipes.....	July 20, 1875	571	175	8	111
159, 792	Camp, Joseph E., Brooklyn, N. Y., assignor to S. A. Hsley & Co., New York City. Spice-box.....	Feb. 23, 1875	883	291	7	326
169, 529	Camp, Omin S., Grand Rapids, Mich. Pail.....	Feb. 16, 1875	538	179	7	271
169, 530	Campbell, A. Gibbs, Paterson, N. J. Portable toilet water and extract.....	Apr. 27, 1875	896		7	713
168, 450	Campbell, Albert O., Oakland, Cal. Windmill.....	Nov. 16, 1875	584	181	8	825
6, 264	Campbell, Andrew H., Philadelphia, Pa. Machine for bending bars of metal.....	Oct. 5, 1875	114	39	8	581
169, 339	Campbell, Augustine, Metuchen, N. J., assignor to Nathaniel C. Locke, Salem, Mass. Self-regulating pressure-valve..... (Reissue.)	Feb. 2, 1875	236	77	7	217
168, 969	Campbell, Augustine, Middlesex County, New Jersey. Instrument for regulating temperature.....	Nov. 2, 1875	16	5	8	736
168, 137	Campbell, Charles C., et al. (See Hollis, John W., assignor.)					
168, 137	Campbell, Christopher C., East Chatham, N. Y. Baling-press.....	Oct. 19, 1875	626	207	8	669
158, 360	Campbell, Daniel E., and James R. Creighton, Boston, Mass. Speaking-tube.....	Sept. 28, 1875	733	131	8	533
169, 957	Campbell, Eli P. (See Swisher & Campbell.)					
163, 573	Campbell, Frank M., Saint Louis, Mo. Chimney-jack.....	Jan. 5, 1875	9	3	7	10
163, 573	Campbell, Frank M., Crow Wing, Minn. Car coupling and brake.....	Nov. 16, 1875	639	199	8	833
166, 682	Campbell, Hardy W., Montgomery Centre, Vt. Butter-package.....	May 25, 1875	824	261	7	885
6, 270	Campbell, Henry. (See Corbett & Campbell.)					
166, 682	Campbell, Henry W., and Joseph H. Johnson, Paducah, Ky. Water-wheel.....	Aug. 17, 1875	492	150	8	985
6, 371	Campbell, James, assignor of one-half interest to William Campbell, deceased, James A. Campbell, administrator, Harrison, Ohio. Seed-planter..... (Reissue.)	Feb. 2, 1875	242	79	7	218
163, 155	Same..... Corn-planter.....	Apr. 13, 1875	490	162	7	647
163, 788	Same..... Pilot-wheel corn-drill..... (Reissue.)	July 6, 1875	8	3	8	10
169, 621	Campbell, James, Harrison, Ohio. Pilot-wheel corn-drill.....	July 20, 1875	645	198	8	122
169, 621	Same..... Pilot-wheel corn-planter.....	Nov. 9, 1875	297	96	8	782

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Des'g.	Vol.	Page.
163, 358	Campbell, James A., administrator. (See Campbell, James, assignor.) (Reissuc.)	May 18, 1875	613	196	7	851
	Campbell, Jeremiah, Lancaster, Pa. Mouth-piece for cigars					
	Campbell, Jones & Co. (See Franz, Henry, assignor.)					
	Campbell, Joseph. (See Raymond & Campbell.)					
	Campbell, Nathan E. (See Landfear, William R., assignor.)					
	Campbell, Robert. (See Pearl, Buel D., assignor.)					
7, 970	Campbell, Robert H., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet	Jan. 5, 1875			7	5
7, 971	Same..... same..... (Design)	Jan. 5, 1875			7	5
7, 972	Same..... same..... (Design)	Jan. 5, 1875			7	5
7, 973	Same..... same..... (Design)	Jan. 5, 1875			7	5
7, 974	Same..... same..... (Design)	Jan. 5, 1875			7	5
7, 975	Same..... same..... (Design)	Jan. 5, 1875			7	5
7, 976	Same..... same..... (Design)	Jan. 5, 1875			7	5
8, 233	Same..... same..... (Design)	Mar. 30, 1875			7	516
8, 234	Same..... same..... (Design)	Mar. 30, 1875			7	516
8, 235	Same..... same..... (Design)	Mar. 30, 1875			7	516
8, 236	Same..... same..... (Design)	Mar. 30, 1875			7	516
	Campbell, William, deceased. (See Campbell, James, assignor) (Reissuc.)					
	Campbell, William. (See Sykes, Henry, assignor.)					
163, 048	Campbell, William, Floyd C. H., Va. Extensible safety-bridge	May 11, 1875	309	99	7	795
	Campfield, Charles H. (See Moore & Campfield.)					
166, 587	Campfield, Matthew E., assignor to Rush S. Battles, Girard, Pa. Wrench	Aug. 10, 1875	385	119	8	262
160, 158	Camyre, Jean B., Montreal, Canada. Wash-boiler	Feb. 23, 1875	884	291	7	326
	Canaday, Lloyd. (See Clemenshaw, Benjamin F., assignor.)					
	Canal and Claiborne Street Railway Company. (See Jacoby, Gottfried, assignor.)					
	Candee & Co., L. (See Watkinson, George, assignor.) (Design.)					
168, 225	Canfield, Frederick A., Dover, N. J. Protector for explosive caps	Sept. 28, 1875	607	256	8	543
169, 622	Same..... Electric fuse	Nov. 9, 1875	297	96	8	782
166, 344	Canfield, Joseph H., Saint Louis, Mo. Refrigerator-car	Aug. 3, 1875	142	44	8	219
	Canfield, Joseph H. (See Graf, Wilhelm E., assignor.)					
161, 381	Cannon, Charles B., Keokuk, Iowa. Pruning implement	Mar. 20, 1875	1083	251	7	528
162, 698	Cannon, Frederick C., New Haven, Conn. Carriage-lamp	May 4, 1875	147	47	7	766
169, 958	Cannon, John, Lines Hollow, Pa. Work-table	Nov. 16, 1875	640	199	8	833
165, 303	Cannon, John G., York, Pa. Process and apparatus for treating celluloid bases for artificial teeth	July 6, 1875	143	44	8	28
	Cape, Raymond. (See Laree, Eugene P., assignor.)					
162, 349	Capewell, George A., Woodbury, Conn. Shot-charger	Apr. 20, 1875	702	228	7	681
159, 154	Capewell, George J., Cheshire, Conn. Clasp for stocking or skirt supporter	Jan. 26, 1875	785	257	7	154
	Capewell, G. J. (See Turner, Lewis W., assignor.)					
8, 759	Capron, Jacob, New York, N. Y. Door-plate	Oct. 26, 1875			8	689
171, 548	Capstack, Jonathan, Barnville, Ohio. Twisting-machine	Dec. 28, 1875	881	288	8	1092
	Carbureted Gas Machine Company. (See Henderson, John C., assignor.)					
6, 408	Card, Daniel O., Rawsonville, Ohio, assignor, by mesne assignments, to William A. Crittenden. Bent knee and beam for sleighs	May 4, 1875	243	77	7	779
	Card, Edward, assignor to self, Isaac Lindsey, and Bradford Borden, Pawtucket, and Socrates Scofield, Providence, R. I. Top roll for spinning-machines, &c.	June 22, 1875	839	273	7	1072
169, 086	Card, Edward, Pawtucket, R. I. Reservoir cooking-stove	Oct. 26, 1875	756	246	8	694
171, 266	Card, William, assignor of one-half interest to William Lewis, Huron County, Ohio. Washing and wringing machine	Dec. 21, 1875	609	199	8	1047
161, 382	Carey, Augustus C., Boston, Mass. Machine for feeding cartridge-shells	Mar. 30, 1875	1083	351	7	528
161, 383	Same..... Device for drying and stretching hose	Mar. 10, 1875	1085	352	7	529
162, 028	Carey, Augustus C., Malden, Mass. Machine for re-enforcing stocking-heels	Apr. 13, 1875	388	130	7	634
163, 451	Carey, Augustus C., Boston, Mass. Feeding attachment for cartridge-loading machine	May 11, 1875	462	129	7	507
161, 360	Carey, Dennis, Lynn, Mass. Horseshoe	Apr. 13, 1875	247	82	7	616
160, 507	Carey, Wilson W., assignor to self and George W. Harris, Lowell, Mass. Machine for planing wood	Mar. 9, 1875	240	82	7	391
170, 814	Carey, Wilson W., assignor of one-half interest to George W. Harris, Lowell, Mass. Band sawing-machine	Dec. 7, 1875	143	48	8	970
8, 008	Carhart, Garrett E., Washington, D. C. Advertising-desk	Jan. 19, 1875			7	93
162, 923	Carhart, Jacob C., Ackermanville, assignor of one-half interest to Jos. D. Shimer, Martin's Creek, Pa. Wagon-brake	Apr. 27, 1875	972	312 } 313 }	7	723
161, 752	Carleton, Ezra C., Port Huron, Mich. Securing handles to cutlery	Apr. 6, 1875	140	48	7	589
159, 301	Carley, Horace S., New York, N. Y. Gymnastic apparatus	Feb. 2, 1875	52	19	7	192
170, 343	Carlin, Asa, Stone's Prairie, Mo. Rotary force-pump	Nov. 23, 1875	1011	317	8	891
	Carlin, William E., et al. (See Fogh, Hans J., assignor.)					
166, 965	Carling, Cornelius H., New York, N. Y. Grate for oyster-ranges	Aug. 24, 1875	771	238	8	333
170, 521	Carlisle, John H., Craigsville, Va. Hame-coupling	Nov. 30, 1875	1190	375	8	924
165, 916	Carlock, William B., Bloomington, Ill. Means for preventing reverberations in public halls	July 27, 1875	782	240	8	153
159, 074	Carman, Peter H., Brooklyn, N. Y. Ventilating and warming drum	Jan. 26, 1875	715	236	7	144
158, 675	Carman, William L., Belvidere, Nebr. Water and steam indicator for boilers	Jan. 12, 1875	302	103	7	66
169, 414	Carmany, Henry R., Shippensburg, Pa. Spoke-tensioning machine	Nov. 2, 1875	87	27	8	746
161, 203	Carmony, John, New York, N. Y. Compound for coating leather	Mar. 23, 1875	887	291	7	496
168, 226	Carnahan, Francis M., Adrian, Mich. Sawing-machine	Sept. 28, 1875	608	257	8	544
	Carnegie, Thomas M. (See Lander, George, assignor.)					
160, 081	Carnes, Philon P., Cleveland, Ohio. Fireman's ladder	Feb. 23, 1875	821	269	7	317
163, 738	Carney, Martin J., Toledo, Ohio. Cylinder-cam	May 25, 1875	969	306	7	904
159, 642	Carns, James C., Millbrook, Ill. Salky-plow	Feb. 9, 1875	374	124	7	244
159, 075	Carobbi, Cesare, and Giuseppe Bellini Pistoja, assignors to one-third interest to John Reynolds, Prato, Italy. Atmospheric-air compressor for working engines	Jan. 26, 1875	715	236 } 237 }	7	144
	Carothers, Robert J. (See Crenshaw & Carothers.)					
	Carpenter, Aaron E. (See Haughton, Edwin F., assignor) (Reissuc.)					
	Carpenter, Charles T., et al. (See Pulliam, Benjamin M., assignor.)					
	Carpenter, Cyrus, trustee. (See Hosmer, Oren S., assignor.)					
	Carpenter, Edward P., et al. (See Waitt, George W., assignor.)					
163, 454	Carpenter, Herbert M., and Ellwood Grimsbaw, Minneapolis, Minn. Swinging buggy-bodies	May 18, 1875	695	222	7	862
168, 227	Carpenter, Jesse, Sheridan, Mich., assignor of one-fourth interest to Joseph W. Marsh. Device for detaching horses	Sept. 28, 1875	809	257	8	544
48, 366	Carpenter, Riley W., New York, N. Y. Tremolo attachment	June 19, 1875			8	148
162, 741	Carpenter, Samuel M., Cleveland, Ohio. Turn-table	May 4, 1875	6	3	7	237
158, 465	Carpenter, Stephen D., Madison, Wis. Grain-binder	Jan. 5, 1875	98	34	7	747
158, 466	Same..... Grain-binding harvester	Jan. 5, 1875	100	34	7	23
	Carpenter, Thacher B. (See Ramsdell, Daniel P., assignor.)					
167, 219	Carpenter, Thacher B., New Haven, Conn. Lid-lifter	Aug. 31, 1875	1030	320	8	377

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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161, 384	Carpenter, Ward B., Topsbam, assignor of one-half interest to Lane Manufacturing Company, Montpelier, Vt. Centering device for wood-turning lathes.	Mar. 30, 1875	1086	352	7	529
162, 899	Carr, Charles F. (See Wilcox & Carr.)					
167, 495	Carr, Charles F., and Stephen S. Wilcox, Adel, Iowa. Grain-binder	May 4, 1875	147	47, 48	7	766
161, 664	Same..... Do	Sept. 7, 1875	98	31	8	420
162, 218	Carr, James T., Milo, Me. Seed-planter	Apr. 6, 1875	67	24	7	578
	Carr, John, and Menzo D. Phillips, Grand Rapids, Mich.; said Phillips assignor to said Carr; said Carr assignor of one-half interest to William Carr. Wood pavement.	Apr. 20, 1875	580	190	7	666
158, 904	Carr, John H., Palo Alto, Pa. Spark-arrestor	Jan. 19, 1875	535	178	7	113
165, 304	Carr, Thaddeus P., Yellow Springs, Ohio. Piano-forte action.	July 6, 1875	144	44	8	28
168, 371	Carr, Thomas, Rochester, Pa. Glass-tool	Oct. 5, 1875	48	17	7	571
	Carr, William. (See Carr & Phillips, assignors.)					
167, 154	Carr, William, West Hayden, Ohio. Pruning implement	Aug. 31, 1875	975	303	8	369
162, 742	Carr, William S., New York, N. Y. Water-closet	May 4, 1875	7	3	7	747
168, 613	Same..... Do	Oct. 11, 1875	295	96	8	614
170, 709	Same..... Waste-valve and overflow for baths and basins.	Dec. 7, 1875	52	16	8	957
166, 846	Carre, Louis C. E., Orleans, France. Apparatus for economizing fuel.	Aug. 17, 1875	637	199	8	307
168, 138	Carrick, David, Philadelphia, Pa. Steam-washer for cakes and biscuits.	Sept. 28, 1875	734	132	8	533
167, 496	Carrick, James, Glasgow, North Britain. Combined respirator and inhaler	Sept. 7, 1875	99	31	8	420
167, 603	Carrick, Thomas J., assignor to Henry Snowden and Charles H. Cowman, Baltimore, Md. Universal joint and clamp	Sept. 14, 1875	212	66	8	443
	Carroll, Charles. (See Mott & Carroll.)					
164, 673	Carroll, De Witt C., and David Rogers, Pittsburg, and Alexander W. Foster, jr., Temperanceville, Pa. Machine for punching boiler-plates	June 22, 1875	796	261	7	1066
166, 185	Carroll, John H., Dubuque, Iowa. Washing-machine	Aug. 3, 1875	4	2	8	199
160, 159	Carroll, Theron S., Winsted, Conn. Fitting-tool	Feb. 23, 1875	885	292	7	326
163, 455	Carroll, Thomas, assignor of one-half interest to Francis A. Woodmansee, Prairie City, Ill. Whiffletree	May 18, 1875	696	222	7	862
161, 929	Carroll, Thomas J., assignor to John M. Johnson and Peter Ring, Bridgeport, Conn. Fastener for meeting-rails of sashes.	Apr. 13, 1875	313	105	7	624
164, 519	Carroll, Thomas J., assignor to Frank Armstrong, Bridgeport, Conn. Shutter-worker	June 15, 1875	650	210	7	1037
170, 562	Carroll, Thomas J., assignor of one-half interest to Charles Whipple, Bridgeport, Conn. Toy pistol	Dec. 7, 1875	8	3	8	952
6, 386	Carroll, William T., assignor to George and William F. Draper, Hopedale, Mass. Spinning-ring	Apr. 20, 1875	810	263	7	694
169, 775	Carson, John S., Philadelphia, Pa. Click for bracelets	Nov. 9, 1875	459	145	8	202
	Carson, James W. (See Ball & Wiegand, assignors.)					
	Carson, James W. (See Ball, Charles E., assignor.)					
	Carson, James W. (See Voltair & Ball, assignors.)					
6, 468	Carson, John S., Brookhaven, Miss., assignor to Warren L. Carson, Memphis, Tenn. Balc-tie	June 1, 1875	212	74	7	959
169, 891	Carson, Thomas T., and Philip F. Whiting, Morristown, Tenn. Car-coupling	Nov. 16, 1875	585	181	8	826
	Carson, Warren L. (See Carson, John S., assignor.)					
163, 847	Carson, William H., San José, Cal. Amalgamator	June 1, 1875	10	3	7	932
168, 228	Carstaedt, Hugo, New York, N. Y. Take-up mechanism for looms	Sept. 28, 1875	810	257	8	544
170, 700	Carter, Albert, Brooklyn, N. Y. Bustle	Dec. 7, 1875	52	16	8	957
167, 220	Carter, Albert A., Philadelphia, Pa. Window-screen	Aug. 31, 1875	1030	320	8	377
169, 892	Same..... Kitchen-shelf	Nov. 16, 1875	586	182	8	826
171, 501	Same..... Door-screen	Dec. 28, 1875	241	275	8	1086
	Carter, Arthur, jr. (See Virgo, Charles, assignor.)					
164, 250	Carter, Charles, Philadelphia, Pa. Ventilating attachment to stoves	June 8, 1875	397	134	7	995
	Carter, Charles H., et al. (See Putnam, Albert M., assignor.)					
169, 340	Carter, Charles K., Zanesville, Ohio. Fruit-jar	Nov. 2, 1875	16	5	8	737
167, 221	Carter, Charles W., Terre Haute, Ind., assignor to self and George W. Travis, Cape Girardeau, Mo. Truck for moving rails, &c.	Aug. 31, 1875	1031	320	8	377
167, 222	Same..... Truck for carrying rails, axles, &c.	Aug. 31, 1875	1032	320	8	377
162, 151	Carter, Clement L., Union City, Ind. Plow	Apr. 20, 1875	520	171	7	658
163, 574	Carter, Egbert P., Arcade, N. Y. Spring bed-bottom	May 25, 1875	825	261	7	886
159, 901	Carter, Franklin S., and Charles B. Hewitt, Burlington, N. J., assignor, by mesne assignments, to Partrick, Bunnell & Co., Philadelphia, Pa. Electric annunciator	Feb. 16, 1875	639	212	7	285
158, 905	Carter, George A., Princeton, Ill. Watering-tank for hogs	Jan. 19, 1875	535	178	7	113
164, 717	Carter, Henry C., New York, N. Y. Fastening for butter-tubs	June 22, 1875	840	273	7	1072
165, 711	Carter, James, assignor to Weed Sewing Machine Company, Hartford, Conn. Sewing-machine	July 20, 1875	572	175	8	112
158, 624	Carter, John B., Hartsville, Ind. Shirt and collar button	Jan. 12, 1875	256	87	7	60
8, 374	Carter, John V. B., assignor to Detroit Stove Works, Detroit, Mich. Heating-stove. (Design)	June 8, 1875				968
170, 522	Carter, John W., Brooklyn, N. Y., assignor to Bennet B. Schneider, New York, N. Y. Lamp	Nov. 30, 1875	1190	376	8	924
	Same..... same	Nov. 30, 1875	1191	376	8	924
170, 523						
170, 052	Carter, Milton, Princeton, Ill. Windmill	Nov. 16, 1875	720	{ 228 229 }	8	844
162, 029	Carter, Phebe L., and James W. Rhoades, Clyde, Ohio. Combined shears, button-hole cutter, &c.	Apr. 13, 1875	389	131	7	634
	Cartwright, Abel. (See Rose, Cartwright & Rose.)					
170, 232	Cartwright, Hiram, Owatonna, Minn. Draft-equalizer	Nov. 23, 1875	915	285	8	877
	Cartwright, Miles E. (See Kellogg, Albert A., assignor.)					
165, 305	Carver, Emma B., Philadelphia, Pa. Convertible lunch basket and table	July 6, 1875	146	44, 45	8	29
163, 456	Carver, James W., East Boston, Mass. Tacking-machine	May 18, 1875	696	222	7	862
165, 917	Carver, James W., Lynn, assignor to self and George H. Morrison, East Boston, Mass. Burnishing and finishing tool for boots and shoes	July 27, 1875	763	240	8	153
167, 430	Same..... Combined cutter-wheel and paneling device for shoemakers	Sept. 7, 1875	47	14	8	412
160, 570	Carver, Thomas F., assignor of one-half interest to James H. Gray, Worcester, Mass. Friction-pulley	Mar. 9, 1875	293	100	7	400
161, 097	Carvill, Jefferson, and John Caven, Kingston, Minn. Millstone-dress	Mar. 23, 1875	796	261	7	484
161, 753	Cary, Edgar, New York, N. Y. Mechanical power	Apr. 6, 1875	141	49	7	589
	Cary, George F. (See Cary, Lewis C. and George F.)					
	Cary, James B. (See Middleton & Cary.)					
166, 498	Cary, Lewis C. and George F., Portland, Me. Screw-propeller	Aug. 10, 1875	313	94	8	251
159, 076	Cary, Thomas S., Brooklyn, N. Y. Clothes-line	Jan. 26, 1875	718	237	7	145
163, 248	Cary, Waitzell E., Bloomfield, Iowa. Farm-fence	June 1, 1875	12	4	7	932
	Casad, Walter S., et al. (See Dodd, Robert J., assignor.)					
6, 325	Case, Ariel, New Haven, Conn., assignor to E. Hoe & Co., New York, N. Y. Stereotype-plate holder	Mar. 9, 1875	456	150	7	422
	Case, Elijah O., et al. (See Roberts, Mark L., assignor.)					
	Case, Henry J. (See Wheeler & Case.)					

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164, 804	Case, Hiram P., Detroit, Mich. Steam-engine.....	June 22, 1875	917	297	7	1082
162, 530	Case, John, French Town Post-Office, N. J. Hat.....	Apr. 27, 1875	896	286	7	713
	Case, Julius A., et al. (See Kenny, Francis, assignor.)					
	Case, Oscar J. (See Wallis, Theodore, assignor.)					
	Case, R. G. (See Lyon, George R., assignor.)					
171, 097	Case, Rodney M., Auburn, N. Y. Churn-dasher.....	Dec. 14, 1875	418	139	8	1014
161, 326	Case, Truman, New Haven, assignor to James D. Frary, New Britain, Conn. Toy pistol.....	Mar. 30, 1875	1028	334	7	521
170, 233	Case, Warren H., Dansville, N. Y. Type-writing machine.....	Nov. 23, 1875	916	285	8	877
169, 236	Case, Wheeler, and James H. Read, jr., Utica, N. Y. Ladder.....	Oct. 26, 1875	890	289	8	713
	Case, William G. (See Ellis, William, assignor.)					
167, 302	Casey, Fred A., assignor of one-half interest to H. Bearup, Elkhart, Ind. Pet-cock for locomotives.....	Aug. 31, 1875	1099	345	8	387
163, 575	Casey, James E., Henry Auel, and James Johnson, Mystic River, Conn. Harness-frame for looms.....	May 25, 1875	826	261	7	886
159, 077	Casey, Peter, Newport, R. I. Bridle-bit.....	Jan. 26, 1875	719	237	7	145
170, 815	Cash, Evan F., Bellaire, Ohio. Jelly-cup.....	Dec. 7, 1875	145	48	8	970
167, 223	Casilear, George W., Washington, D. C. Safety-paper.....	Aug. 31, 1875	1033	321	8	377
167, 987	Casilear, George W., and William C. McIntire, Washington, D. C. Revenue-stamp, check, &c.....	Sept. 21, 1875	555	179	8	501
165, 540	Caslin, Thomas D., Montrose, Pa. Needle-sharpener.....	July 13, 1875	405	121	8	72
163, 916	Casperson, William P., Monroe, Iowa. Wash-boiler.....	June 1, 1875	65	22	7	939
166, 499	Cass, Henry C., and George R. Rankin, Alma, Colo. Boot-tree.....	Aug. 10, 1875	314	95	8	251
165, 789	Cass, James F., L'Original, assignor of two-thirds interest to James and Alpheus McCallum, Kars, Canada. Wagon-rack.....	July 20, 1875	646	198	8	122
	Cassel, M. J. (See Barringer, John H., assignor.)					
	Cassidy, William. (See Fitzpatrick, Michael, assignor.)					
164, 260	Castellanos, Prudencio, San Francisco, Cal. Manufacture of nitro-sulphuric acid for manufacturing nitro glycerine.....	June 8, 1875	398	.....	7	995
164, 261	Same..... Recovering acids from residuum of nitro-glycerine manufacture.....	June 8, 1875	399	.....	7	995
164, 262	Same..... Apparatus for recovering acids from the residuum of nitro-glycerine manufacture.....	June 8, 1875	400	135	7	996
164, 263	Same..... Explosive compound.....	June 8, 1875	401	.....	7	996
164, 264	Same..... same.....	June 8, 1875	402	.....	7	996
162, 924	Castle, Chauncey H., assignor to Comstock, Castle & Co., Quincy, Ill. Heating-stove.....	Apr. 27, 1875	973	313	7	723
6, 252	Castle, Samuel D., Bridgeport, Conn. Apparatus for stretching leather..... (Reissuo).	Jan. 26, 1875	877	285	7	167
163, 739	Castle, William H., assignor of one-half interest to R. O. Rote, Geneva, Ohio. Clothes- pounder.....	May 25, 1875	969	306	7	904
158, 467	Castle, William W., Belfast, Me. Hammer for dressing stone.....	Jan. 5, 1875	104	35	7	23
	Castlebury, M. T. (See Merritt, Wyly, assignor.)					
170, 816	Caswell, Daniel H., Nashville, Tenn. Grain-separator.....	Dec. 7, 1875	145	48, 49	8	970
170, 344	Caswell, Ezra, Lyons, N. Y. Vise.....	Nov. 23, 1875	1012	317	8	891
168, 372	Caswell, Jesse M., and Addison R. Worth, De Soto, Wis. Crano.....	Oct. 5, 1875	49	17	8	571
168, 970	Caswell, William A., assignor of one-half interest to E. B. Preston, Chicago, Ill. Hose- coupling.....	Oct. 19, 1875	626	207	8	670
170, 155	Same..... same.....	Nov. 23, 1875	846	265	8	868
171, 502	Catchpole, John L., Framden, and George F. and Thomas F. Stidolph, Woodbridge, Great Britain. Seed-separator.....	Dec. 28, 1875	242	276	8	1086
164, 265	Caterson, William M., Philadelphia, Pa. Vessel for containing poison.....	June 8, 1875	403	135	7	996
160, 874	Cathcart, Rodney S., assignor of one-half interest to Straub Mill Company, Cincinnati, Ohio. Mill-spindle.....	Mar. 16, 1875	585	190	7	446
160, 875	Same..... Millstone-bush.....	Mar. 16, 1875	586	191	7	447
162, 925	Cathell, Jonathan D., Georgetown, D. C. Gas-apparatus.....	Apr. 27, 1875	974	313	7	723
167, 824	Cather, Edwin, Port Deposit, Md. Machine for compressing the ends of blind slats.....	Sept. 21, 1875	423	135	8	481
159, 246	Caton, Charles, Coshocton, Ohio. Combined calipers, dividers, &c.....	Feb. 2, 1875	6	2	7	185
	Caulkins, Frank. (See Botsford, David, assignor.)					
164, 141	Caulkins, Thomas N., Owasso, N. Y. Magazine cooking-stove.....	June 8, 1875	287	98	7	981
160, 391	Caulon, John J., New York, N. Y. Calendar.....	Mar. 2, 1875	117	43	7	366
	Causey, Oliver S. (See Green, George W., assignor.)					
159, 643	Cavalier, Peter, Yankton, Dak. Rolling-pin.....	Feb. 9, 1875	375	125	7	244
165, 209	Cavanagh, James, New York, N. Y. Automatic shut-off attachment for water-closets.....	July 6, 1875	66	19	8	18
166, 186	Cavanagh, Dennis F., Greensburg, Pa. Railway-switch.....	Aug. 3, 1875	5	2	8	199
167, 743	Same..... same.....	Sept. 14, 1875	331	166	8	460
166, 266	Same..... same.....	Aug. 24, 1875	772	238	8	334
	Cave, George J., Elizabeth, N. J. Signal-lantern.....					
	Caven, John. (See Carville & Caven.)					
	Cavender, Joseph W. (See Stokes, John C., assignor.)					
168, 722	Cawing, William J., Washington, D. C. Fare-box.....	Oct. 11, 1875	390	128	8	628
160, 004	Cawthon, Benjamin F., Jefferson County, and Andrew J. Conner, Louisville, Ky. Dry- ing kiln and furnace.....	Feb. 23, 1875	755	250	7	308
160, 646	Cayce, John M., Franklin, Tenn. Motor.....	Mar. 9, 1875	358	121	7	409
166, 069	Same..... Air-supply attachment for carbureters.....	July 27, 1875	928	287	8	172
166, 847	Same..... same.....	Aug. 17, 1875	638	199	8	307
	Caylor, Jacob L., Bonham, Tex. Machine for washing photographs.....					
	Celluloid Manufacturing Company. (See Hyatt, John W. and Isiah S., assignors.)					
	Central Soap Company. (See Bryan, John P., assignor.)					
170, 156	Cerf, L. Frederic, New York, N. Y. Furniture-caster.....	Nov. 23, 1875	847	265	8	868
163, 457	Chabot, Anthony, San Francisco, Cal. Water-valve.....	May 18, 1875	698	223	7	862
163, 458	Same..... Vent-valve.....	May 18, 1875	698	223	7	862
165, 712	Same..... same.....	July 20, 1875	574	176	8	112
	Chace, Charles B., Lockland, Ohio. Hot-air furnace.....					
	Chace, Robert L. (See Covey, Chace & Weaver.)					
170, 053	Chadborn, George L. and John B., Newburgh, N. Y. Meat-cutter.....	Nov. 16, 1875	721	229	8	844
	Chadborn, John B. (See Chadborn, George L. and John B.)					
164, 142	Chadick, Edwin D., Denison, Tex. Bale-tie.....	June 8, 1875	288	98	7	981
	Chadwick, Joseph, et al. (See Scott, Walter, assignor.)					
160, 160	Chadwick, Joseph H., Wheaton, Ill. Clothes-frame.....	Feb. 23, 1875	886	292	7	326
159, 793	Chafee, Nathan M., Providence, R. I. Molder's flask.....	Feb. 16, 1875	538	179, 180	7	271
158, 468	Chafee, Bosco M., Clay City, Ill. Stump-plow.....	Jan. 5, 1875	104	35	7	23
	Chafee, Charles S. (See Haines, John W., assignor.)					
161, 480	Chafee, Reuben S., assignor of one-half interest to Bernard Stuve, Springfield, Ill. Magazine fire-arm.....	Mar. 30, 1875	1174	377	7	540
164, 805	Chaise, Louis, assignor of one-half interest to Henry M. Naglee, San José, Cal. Fancet.....	June 22, 1875	918	298	7	1082
161, 481	Chalender, George F., Aurora, Ill. Fire-box-door ring.....	Mar. 30, 1875	1175	377	7	540
159, 541	Chalfant, Franklin, Lancaster, Pa., and Jeff. Chalfant, Kimmunity, Ill. Device for warm- ing and ventilating railway-cars.....	Feb. 9, 1875	301	97	7	233
159, 078	Chalfant, George A., Etna, and Ignatius Hahn, Pittsburgh, Pa. Rolling-mill.....	Jan. 26, 1875	719	237, 238	7	145
	Chalfant, Jefferson. (See Chalfant, Franklin & Jefferson.)					

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	Challen, Joseph H. (See Snow, William, assignor.)					
164, 520	Chalmers, William, Detroit, Mich. Pan-forming machine	June 15, 1875	650	{ 210 211 }	7	1037
	Chamberlain, Addis E. (See Crowley & Chamberlain.)					
	Chamberlain, A. N. (See Danforth, DeLoss A., assignor.)					
164, 639	Chamberlain, Carrie W., Denver, Colo. Combined cradle and bedstead	June 22, 1875	766	{ 251 252 }	7	1062
	Chamberlain, De Witt C., et al. (See Harrell, William K., assignor) (Reissue.)					
163, 300	Chamberlain, Edmund D., Westfield, N. J. Hand-stamp	May 18, 1875	560	170	7	844
164, 423	Chamberlain, Ephraim, Weymouth, Mass. Bath-tub	June 15, 1875	569	185	7	1037
165, 790	Chamberlain, James, and Henry H. Seiple, Melmore, Ohio. Harrow	July 20, 1875	647	199	8	132
	Chamberlain, Richard, et al. (See Huggins, John, assignor.)					
	Chamberlain, Thomas B., et al. (See Harrell, William K., assignor) (Reissue.)					
164, 143	Chamberlain, William C., Dubuque, Iowa. Rotary churn-dasher	June 8, 1875	289	99	7	981
	Chamberlain & Son, George. (See Mason & Chamberlin, assignors.)					
165, 541	Chamberlin, Charles A., Camden, N. J. Chain-cable	July 13, 1875	406	121	8	72
168, 081	Same. Studded link	Sept. 28, 1875	677	214	8	525
	Chamberlin, Edward, et al. (See Chamberlin, Edwin, assignor.)					
	Same. (See Owens & Chamberlin.) (Reissue.)					
6, 611	Chamberlin, Edwin, assignor to self and Lee and Edward Chamberlain, Troy, N. Y. Vehicle-spring	Aug. 24, 1875	956	298	8	359
	Chamberlin, Edwin, Troy, N. Y. Carriage-spring	Aug. 24, 1875	865	269	8	347
167, 065	Same. Vehicle-spring	Aug. 24, 1875	866	270	8	347
167, 066	Chamberlin, Edwin, assignor of two-thirds interest to Lee and Edward Chamberlin, Troy, N. Y. Side-spar vehicle	Aug. 24, 1875	867	270	8	347
167, 068	Same. Vehicle-spring	Aug. 24, 1875	867	270	8	347
	Chamberlin, Franklin L. (See Britton & Chamberlin.)					
	Chamberlin, George. (See Mason & Chamberlin.)					
	Same. (See Owens & Chamberlin.) (Reissue.)					
167, 988	Chamberlin, George W., and Sewell G. Cushing, Fitchburgh, Mass.; said Chamberlin assignor to said Cushing. Machine for cutting wood-screws	Sept. 21, 1875	556	179	8	502
	Chamberlin, Henry J. (See Ayres & Chamberlin.) (Reissue.)					
162, 152	Chamberlin, Henry J., Worcester, Mass. Broiler	Apr. 20, 1875	520	171	7	658
	Chamberlin, Henry W. (See Mason & Chamberlin.)					
	Chamberlin, Lee, et al. (See Chamberlin, Edwin, assignor.)					
	Same. (See Owens & Chamberlin.) (Reissue.)					
168, 614	Chamberlin, Reuben, Hartford, Conn. Electric gas-lighting apparatus	Oct. 11, 1875	296	96	8	614
	Chamberlin, W. S., et al. (See Fairbairn, William U., assignor.) (Reissue.)					
164, 424	Chambers, Adam, Pueblo, Colo. Rotary measure	June 15, 1875	570	185	7	1027
163, 359	Chambers, Alexander, jr., and Alexander M. McCook, United States Army. Convertible meat case or can	May 18, 1875	614	196	7	851
163, 152	Chambers, Austin, London, Great Britain. Pneumatic railway-signaling apparatus	May 11, 1875	403	130	7	807
	Chambers, Benjamin, jr. (See McMurric & Chambers.)					
160, 876	Chambers, Benjamin C., Shady Plain, Pa. Sewing-machine motor	Mar. 16, 1875	587	191	7	447
169, 520	Same. Pruning attachments to planing-machines	Nov. 2, 1875	177	59	8	759
164, 904	Chambers, Cyrus, jr., Philadelphia, Pa. Machine for covering, folding, and pasting paper	June 29, 1875	1031	{ 332 333 }	7	1103
	Chambers, O. (See Fisher, Daniel A., assignor.)					
169, 415	Chameroy, Edme A., Paris, France. Scale-beam	Nov. 2, 1875	88	27	8	747
159, 902	Champion, Henry E., Detroit, Mich. Steam-boiler furnace	Feb. 16, 1875	640	212	7	285
	Champion, Somers T. (See Lake, Ezra B., assignor.)					
168, 718	Champion, Will. C., Stanton, Tenn. Seed-planter	Oct. 11, 1875	387	126	8	627
167, 303	Champlin, Jonathan, Penn Yao, N. Y. Tire-tightening machine	Aug. 31, 1875	1099	346	8	387
	Chance, Henry. (See Mowry & Chance.)					
158, 625	Chancellor, Edmund P., Parkersburgh, W. Va. Furnace for steam-boilers	Jan. 12, 1875	257	87	7	60
	Chancellor, W. N. (See Long, David W., assignor.)					
171, 598	Chandlee, Isaac G., Philadelphia, Pa. Loom-shuttle-box mechanism	Dec. 28, 1875	928	304	8	1098
164, 806	Chandlee, William E., and Edwin H. King, Washington, D. C. Case for freshing cigars	June 22, 1875	919	298	7	1082
	Chandler, Aaron, et al. (See Bean, John, assignor.)					
170, 234	Chandler, Horace J., Dummer, assignor of one-half interest to Merrill C. Forist, Berlin, N. H. Tuyere	Nov. 23, 1875	917	285	8	877
166, 500	Chandler, Jesse, Barry, Ill. Water-elevator	Aug. 10, 1875	314	95	8	251
170, 620	Same. Weather-strip	Nov. 30, 1875	1288	407	8	937
	Chandler, Thomas E. (See Taylor, Franklin, assignor.)					
158, 579	Chandler, Thomas E., and Franklin Taylor, Indianapolis, Ind. Tile-machine	Jan. 12, 1875	208	71	7	53
158, 571	Chandler, Thomas E., assignor of one-half interest to Franklin Taylor, Indianapolis, Ind. Pitman	Jan. 12, 1875	209	71	7	53
	Chaney, Nathan P. (See Manley, Henry P., assignor.)					
6, 239	Channing, William F., Providence, R. I., and Moses G. Farmer, Salem, Mass. Electro-magnetic fire-alarm telegraph for cities	Jan. 19, 1875	641	212	7	127
6, 240	Same. same	Jan. 19, 1875	644	213	7	127
6, 241	Same. same	Jan. 19, 1875	647	213	7	127
	Chapin, Alexander H. (See Desbrough, George, assignor.)					
170, 469	Chapin, Dwight B., Covington, Ky. Tobacco-drier	Nov. 30, 1875	1142	361	8	918
	Chapin, Edward P. (See Wicks, Joseph F., assignor.)					
	Chapin, Gardner B., et al. (See Toppan, Daniel L., assignor.)					
161, 006	Chapin, Henry H., Adrian, Mich. Traction-vehicle	Mar. 23, 1875	707	233	7	472
	Chapin, Lebus C. (See Laurence, William S., assignor.)					
	Chapman, Alexander. (See Bowman & Chapman.)					
160, 749	Chapman, Charles H., Shirley, Mass. Loom for weaving suspender-webbing	Mar. 16, 1875	474	155	7	432
167, 431	Chapman, Frank, assignor of one-half interest to Nelson R. Bolles, Aurora, Wis. Thill-coupling	Sept. 7, 1875	48	14	8	413
168, 873	Chapman, Friend J., assignor to self and Joseph R. Seddall, McLeansborough, Ill. Combination-lock	Oct. 19, 1875	536	176	8	656
	Chapman, George A. (See Smith, Isaac, assignor.)					
161, 665	Chapman, George A., Millbury, Mass. Journal and bearing	Apr. 6, 1875	68	24	7	579
170, 524	Chapman, George A., Woonsocket, R. I. Machine for fixing couplings to shafts	Nov. 30, 1875	1192	376	8	924
160, 571	Chapman, Huston I., Portland, Oreg. Non-freezing hydrant for fire-plugs, &c.	Mar. 9, 1875	295	100	7	400
	Chapman, John C. (See Chapman, Rufus B. and John C.)					
160, 647	Chapman, John C., Passaic, N. J. Metal-bending machine	Mar. 9, 1875	360	121	7	409
162, 458	Same. Machine for boring cylinders	Apr. 27, 1875	832	268	7	705
163, 740	Chapman, John Y., Buffalo, N. Y. Machine for making barrels	May 25, 1875	970	307	7	965
160, 305	Chapman, Leonard S., Washington, D. C. Service coupler-pipe	Mar. 2, 1875	42	16	7	355
163, 301	Same. Fire-plug or hydrant	May 18, 1875	561	{ 179 180 }	7	844
162, 743	Chapman, Luke, Collinsville, Conn. Centrifugal pump	May 4, 1875	8	3	7	748

## Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
168, 830	Chapman, Luke, Collinsville, assignor of two-thirds interest to William J. Wood and William E. Simonds, Hartford, Conn. Nut-lock.....	Oct. 19, 1875	499	163	8	651
6, 556	Chapman, Mark C. (See Chapman, Matthew T. and Mark C.)..... (Reissue.)	July 27, 1875	1040	.....	8	188
162, 744	Chapman, Matthew T. and Mark C., Aurora, Ill. Driven or bored wells..... (Reissue.)	May 4, 1875	9	4	7	748
162, 719	Chapman, Nathan, Hopedale, Mass. Loom-temple.....	Oct. 11, 1875	387	127	8	627
160, 877	Same..... Machine for setting temple-teeth.....					
160, 814	Chapman, Rufus B., Cambridgeport, Mass., and John C. Chapman, Passaic, N. J. Reversing mechanism.....	Mar. 16, 1875	588	191	7	447
160, 814	Chapman, Samuel B., New York, N. Y. Car-wheel.....	Mar. 16, 1875	538	174	7	440
169, 416	Chapman, William M., Ravenna, Ohio. Belt-fastener.....	Nov. 2, 1875	89	27	8	747
166, 237	Charch, John S., Dayton, Ohio. Tailor's measure.....	Aug. 3, 1875	66	21	8	208
170, 157	Same..... Tailor's coat-measure.....	Nov. 23, 1875	848	265	8	868
159, 079	Chard, Richard J., et al. (See Hoagland, Isaac W., assignor.)					
162, 271	Chard, Samuel, Minns, Conn. Wagon-jack.....	Jan. 26, 1875	721	238	7	145
	Charles, Edgar W., jr. (See Dubose & Charles.)					
	Charles, Elbert R., Petaluma, Cal. Bit-stock.....	Apr. 20, 1875	631	206	7	672
	Charles, Robert. (See Blackie, Stephen, assignor.)					
161, 204	Charlton, John, assignor to George V. Cresson, Philadelphia, Pa. Band-pulley.....	Mar. 23, 1875	888	291	7	496
6, 758	Charter, John, Sterling, Ill. Cigar-mold..... (Reissue.)	Nov. 23, 1875	1095	344	8	903
161, 861	Chase, Benjamin F., Jacksonville, Tex. Apparatus for working glass.....	Apr. 13, 1875	248	82, 83	7	616
169, 521	Chase, Charles H., assignor of one-half interest to Jasper Thayer, New Orleans, La. Bale-tie.....	Nov. 2, 1875	178	59	8	759
170, 054	Chase, Charles H., New Orleans, La. Bale-band-tightening device.....	Nov. 16, 1875	722	230	8	845
160, 572	Chase, Daniel L. F., Somerville, Mass. Steam-governor.....	Mar. 9, 1875	296	100	7	400
162, 219	Chase, Daniel L. F., Somerville, assignor of one-half interest to Lewson E. Chase, Watertown, Mass. Governor.....	Apr. 20, 1875	582	191	7	666
	Chase, David B. (See Clarke & Chase.)					
	Chase, Edwin D. (See Chase, Henry I., Philander F., and Edwin D.)					
	Same..... same..... (Reissue.)					
170, 345	Chase, Frank, Boston, assignor of one-half interest to Rufus Leavitt, Melrose, and James M. Brant, Weymouth, Mass. Sewing-machine.....	Nov. 23, 1875	1013	318	8	891
6, 227	Chase, Henry I., Philander F., and Edwin D., Peoria, Ill. Grain-elevator..... (Reissue.)	Jan. 12, 1875	398	134	7	79
6, 228	Same..... same..... (Reissue.)	Jan. 12, 1875	399	134	7	80
170, 711	Same..... Grain-conveyer shaft.....	Dec. 7, 1875	53	16	8	958
171, 504	Same..... same.....	Dec. 28, 1875	844	276	8	1086
168, 874	Chase, Henry W., Sumner, Mo. Car-coupling.....					
164, 073	Chase, I. A. (See Unverzagt, William, assignor.)					
164, 074	Chase, Irish, New York, and George M. Ball, Green Point, N. Y. Opera-chair.....	Oct. 19, 1875	536	176	8	656
158, 831	Chase, James, Rochester, N. Y. Curtain-fixture bracket.....	June 8, 1875	229	80	7	973
160, 392	Same..... Combined aquarium, bird-cage, and flower-stand.....	June 8, 1875	230	80	7	973
167, 386	Chase, J. C., Rutland, Ohio. Washing-machine.....	Jan. 19, 1875	463	155	7	104
171, 553	Chase, Jefferson, Orange, Mass. Pruning-shears.....	Mar. 2, 1875	118	43	7	366
166, 683	Chase, John E., Tom's River, N. J. Window-screen.....	Sept. 7, 1875	5	2	8	407
162, 350	Chase, Joseph W., Middleport, Ohio. Cultivator.....	Dec. 28, 1875	943	276	8	1086
	Chase, Lewson E. (See Chase, Daniel L. F., assignor.)					
	Chase, Lucius C., Boston, Mass. Rope holter.....	Aug. 17, 1875	493	150	8	285
	Chase, Milton, and Alonzo W. Cram, Haverhill, Mass. Vessel for inflammable liquids.....	Apr. 20, 1875	703	228	7	681
	Chase, Philander F. (See Chase, Henry I., Philander F., and Edwin D.)					
	Same..... same..... (Reissue.)					
	Chase, William D. (See Meinikheim & Chase.)					
171, 549	Chatfield, Alonzo B., Anamosa, Iowa. Door-spring.....	Dec. 28, 1875	882	288	8	1092
	Chatterton, George, et al. (See Olmsted, Joseph, assignor.)					
171, 599	Chavasse, Auguste, assignor of one-half interest to Arsène Rambouillet, Montreal, Canada. Anti-incrustation compound.....	Dec. 28, 1875	929	.....	8	1098
163, 636	Cheddle, Nathan R., Delta, Ohio. Stone-extracting tool.....	May 25, 1875	884	279	7	893
161, 930	Cheal, Thomas, Saint Paul, Minn. Horse-collar.....	Apr. 13, 1875	314	105	7	624
166, 258	Cheek, Manassah C., Mansfield, Tenn. Seed-cotton cleaner.....	Aug. 3, 1875	67	21	8	208
164, 144	Cheetham, Thomas, Lewiston, Me. Shuttle for looms.....	June 8, 1875	289	99	7	981
161, 666	Cheney, Ansel J. (See Hodgdon, Edwin, assignor.)					
161, 931	Cheney, Charles D., Canandaigua, N. Y. Laboratory gas-burner.....	Apr. 6, 1875	69	25	7	579
	Same..... Dental articulator.....	Apr. 13, 1875	314	105	7	624
	Cheney, James W. (See Howe, Solon G., assignor.)					
	Same..... same..... (Reissue.)					
159, 247	Cherry, James N., Keokuk, Iowa. House-building.....	Feb. 2, 1875	6	2	7	185
169, 417	Cherry, Moses M. (See Cherry, Samuel, assignor.)					
169, 418	Cherry, Moses M., assignor of one-half interest to Samuel Cherry, New Plymouth, Ohio. Hay-fork.....	Nov. 2, 1875	90	27	8	747
	Cherry, Samuel. (See Cherry, Moses M., assignor.)					
162, 459	Cherry, Samuel, assignor of one-half interest to Moses M. Cherry, New Plymouth, Ohio. Gate-latch.....	Nov. 2, 1875	90	28	8	747
158, 676	Chesebro, Denison S., Geddes, N. Y. Protector for stoneware jars.....	Apr. 27, 1875	834	269	7	705
	Chesbrough, Julius F. (See Jones, Anthony A., assignor.)					
	Chesbrough, Robert A., New York, N. Y. Apparatus for raising water by pneumatic pressure.....	Jan. 12, 1875	303	103	7	66
165, 063	Cheseldine, Samuel P., et al. (See Davis, William C., assignor.)..... (Design.)					
164, 425	Chessman, Robert. (See Coyne, John, assignor.)					
169, 087	Chester, Charles T., Englewood, N. J. Dial electric telegraph.....	June 29, 1875	1166	375	7	1121
161, 482	Chester, Stephen, Elizabeth, N. J. Fire-alarm signal-box.....	June 15, 1875	571	186	7	1027
	Same..... Fire-alarm telegraph.....	Oct. 26, 1875	757	247	8	694
	Same..... same.....					
	Same..... same.....					
169, 341	Chevalier, Louis, Brooklyn, N. Y. Sewing-machine.....	Mar. 30, 1875	1175	377	7	540
	Chicago Wheat Steaming Machine Manufacturing Company. (See Hunt, John C., assignor.)					
159, 080	Chichester, Lewis S., assignor to John J. Tyler, New York, N. Y. Machine for hulling and scouring grain.....	Jan. 26, 1875	721	238	7	145
	Chick, Joseph S., et al. (See Redheffer, William, assignor.)					
	Chick, Washington H., et al. (See Redheffer, William, assignor.)					
169, 341	Child, Orlando, Claremont, N. H. Mechanical movement.....	Nov. 2, 1875	17	5	8	737
	Child, Pascal P. (See Felt & Child.)					
	Child, Sullivan S. (See Patton, William P., assignor.)					
158, 906	Childers, Edwin, Dunleith, Ill. Coupling-joints for cultivator-teeth.....	Jan. 19, 1875	536	179	7	113
159, 500	Same..... Cultivator.....	Feb. 9, 1875	257	83	7	228
	Childs, Isaac P. (See Kerper, Jacob N., assignor.)					
	Childs, John. (See Stouffer, Hiram C., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. g.	Vol.	Page.
168, 515	Childs, Walter C., Pittsburgh, Pa. Grate-bar	Oct. 11, 1875	297	96	8	614
170, 817	Same..... same	Dec. 7, 1875	147	49	8	970
170, 988	Chillingworth, Felix, Providence, R. I. Safety-lock for fire-arms	Dec. 14, 1875	320	106	8	1060
169, 237	Chilson, Libbeus, assignor of one-third interest to Seth Arnold, Woonsocket, R. I. Rail-way-rail-joint fastening	Oct. 26, 1875	891	290	8	714
6, 265	Chinnock, Charles, Brooklyn, assignor, by mesne assignments, to Charles N. Crittendon, New York, N. Y. Injector for insect-powder. (Reissue)	Feb. 2, 1875	238	78	7	217
159, 903	Chinnock, George H., assignor to Leonard Richardson, Brooklyn, N. Y. Machine for soldering sheet-metal lids	Feb. 16, 1875	641	212	7	285
163, 576	Chinnock, George H., Brooklyn, N. Y. Refrigerating apparatus	May 25, 1875	826	261	7	886
168, 229	Same..... Toy building-block	Sept. 28, 1875	811	257	8	544
168, 230	Same..... Articulated toy figure	Sept. 28, 1875	812	258	8	544
167, 224	Chiozza, Louis, Corvignano, Austria. Process of treating maize	Aug. 31, 1875	1033	.....	8	377
6, 310	Chipley, William H., New Midway, Md. Apron-supporter and page. (Reissue)	Mar. 2, 1875	223	77	7	381
168, 373	Chipman, George W., Boston, Mass. Carpet-lying	Oct. 5, 1875	49	18	8	571
168, 374	Same..... same	Oct. 5, 1875	50	18	8	571
168, 082	Chisholm, George D., assignor of one-half interest to Summerfield Douglass, East Flamborough, Canada. Device for preventing horses from jumping	Sept. 28, 1875	677	214	8	525
6, 484	Chisholm, Henry, Cleveland, Ohio. Roll for utilizing the fag-ends of railway-rails. (Reissue)	June 15, 1875	746	241	7	1051
6, 738	Same..... same	Nov. 16, 1875	815	257	8	856
167, 604	Chisholm, Wilson B., Cleveland, Ohio. Valve for pneumatic pumps	Sept. 14, 1875	213	66	8	443
168, 451	Chislett, Joseph R., Plymouth, England. Induction-coil	Oct. 5, 1875	116	39, 40	8	582
158, 626	Choat, David T., Cedar Falls, Iowa. Flour-bolt	Jan. 12, 1875	257	87, 88	7	60
161, 862	Choate, W., Newton Centre, assignor to self and John M. Clinch, Boston, Mass. Slate-pencil sharpener	Apr. 13, 1875	249	83	7	616
167, 432	Chormann, Ernest G., Philadelphia, Pa. Parlor-casel	Sept. 7, 1875	48	14, 15	8	413
8, 596	Christesen, Rudolph, assignor to Meriden Britannia Company, West Meriden, Conn. Band for plated ware. (Design)	Sept. 7, 1875	.....	.....	8	403
167, 069	Christian, Charles E., Erie, Pa. Low-water indicator	Aug. 24, 1875	868	270	8	347
	Christian, Joseph, et al. (See Van Bunschoten, Isaac, assignor.)					
	Christian, Samuel, et al. (See Van Bunschoten, Isaac, assignor.)					
166, 501	Christie, Jacob D., Schraalenburgh, N. J. Windmill	Aug. 10, 1875	315	95	8	251
166, 747	Christie, James J., assignor of one-half interest to James A. Armstrong, Camden, N. J. Nursing-bottle	Aug. 17, 1875	553	170	8	294
158, 779	Christie, John, New Orleans, La. Shutter-fastener	Jan. 19, 1875	414	139	7	97
158, 780	Same..... Fastener for the meeting-rails of sashes	Jan. 19, 1875	414	139	7	98
160, 509	Same..... Combined fastener for meeting-rails of sashes and blinds	Mar. 9, 1875	242	83	7	392
7, 977	Christie, Joseph M., Kidderminster, England, assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet. (Design)	Jan. 5, 1875	.....	.....	7	5
7, 978	Same..... same	Jan. 5, 1875	.....	.....	7	5
7, 979	Same..... same	Jan. 5, 1875	.....	.....	7	5
7, 980	Same..... same	Jan. 5, 1875	.....	.....	7	5
7, 981	Same..... same	Jan. 5, 1875	.....	.....	7	5
8, 344	Same..... same	May 25, 1875	.....	.....	7	879
8, 345	Same..... same	May 25, 1875	.....	.....	7	879
8, 346	Same..... same	May 25, 1875	.....	.....	7	879
8, 347	Same..... same	May 25, 1875	.....	.....	7	879
8, 348	Same..... same	May 25, 1875	.....	.....	7	879
8, 349	Same..... same	May 25, 1875	.....	.....	7	879
8, 350	Same..... same	May 25, 1875	.....	.....	7	879
8, 351	Same..... same	May 25, 1875	.....	.....	7	879
8, 610	Christie, Joseph M., Kidderminster, England, assignor to Lowell Manufacturing Company. Carpet. (Design)	Sept. 7, 1875	.....	.....	8	403
8, 611	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 612	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 613	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 614	Christie, Joseph M., Kidderminster, England, assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet. (Design)	Sept. 7, 1875	.....	.....	8	403
8, 615	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 616	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 617	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 618	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 619	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 620	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 621	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 622	Same..... same	Sept. 7, 1875	.....	.....	8	403
8, 623	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 624	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 625	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 626	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 627	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 628	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 629	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 630	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 631	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 632	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 633	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 634	Same..... same	Sept. 7, 1875	.....	.....	8	403
6, 635	Same..... same	Sept. 7, 1875	.....	.....	8	403
161, 863	Christin, Arthur, Chicago, Ill. Bottle-stopper	Apr. 13, 1875	250	83	7	616
168, 875	Christinger, John C., Bristol, Conn. Folding ladder for firemen	Oct. 19, 1875	537	176	8	657
8, 212	Christl, Josef, Newark, N. J. Alto-relievo. (Design)	Mar. 23, 1875	.....	.....	7	466
	Christophe, Sebastian. (See Brugger & Christophe.)					
168, 254	Christy, John, assignor of one-half interest to Milo Hunter and Byron O. Brigham, Clyde, Ohio. Garden-implement	Sept. 28, 1875	817	259	8	545
169, 147	Christy, John, assignor to self, Milo Hunter, and Byron O. Brigham, Clyde, Ohio. Stove-pipe shelf	Oct. 26, 1875	813	264	8	702
171, 600	Christy, William T., Saint Louis, Mo. Kiln for fire-brick	Dec. 28, 1875	929	304	8	1098
169, 088	Chritton, James M., Marengo, Iowa, assignor to self and John S. Swancy. Harvester	Oct. 26, 1875	763	247	8	695
160, 508	Chubb, Edwin A., Ionia City, Mich. Process of chilling cast iron	Mar. 9, 1875	241	83	7	391
	Church, Dwight M. (See Glover & Church.)					
159, 794	Church, Dwight M., and William F. Gilbert, Derby, Conn. Sharpening attachment to forks	Feb. 16, 1875	542	180	7	272
163, 849	Church, Edwin, Cleveland, Ohio. Grading apparatus	June 1, 1875	13	4	7	932
	Church, Henry A. (See Garrick, Thomas, assignor.) (Reissue)					
166, 259	Church, Horace B., Jefferson City, Mo. Door-check	Aug. 3, 1875	68	21	8	208

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
162, 229	Church, John B., Scarborough, N. Y. Elevated railway.....	Apr. 20, 1875	522	191	7	666
167, 497	Church, Marius C. C., Parkersburgh, W. Va. Heating-stove.....	Sept. 7, 1875	100	31	8	421
161, 591	Church, Melvin P., Grand Rapids, assignor to self and George Eastman, Eastmanville, Mich. Calcimine.....	Apr. 6, 1875	4		7	569
161, 864	Church, Titus S., assignor to self and Edwin R. Flint, Boston, Mass. Method of killing vermin.....	Apr. 13, 1875	250	83	7	616
166, 848	Church, Walter C., London, England. Balanced valve.....	Aug. 17, 1875	638	199 200 200 201	8	307
166, 844	Church, Walter C., Westminster, England. Port for steam-engine cylinders.....	Aug. 17, 1875	643	201	8	308
168, 557	Churchill, Cornelius B., New Orleans, La. Press for baling cotton, hay, &c.....	Oct. 11, 1875	239	79	8	606
160, 306	Churchill, Melvin, Helvetia, Wis. Combined clothes and quilting frame.....	Mar. 2, 1875	43	16	7	355
164, 521	Churchill, Robert W., assignor of one-third interest to David J. Waters, Bridgeport, Conn. Toy pistol.....	June 15, 1875	651	211	7	1037
164, 807	Chutaux, Theophile, Paris, France. Galvanic battery.....	June 22, 1875	921	208	7	1082
165, 064	Same..... Electro-magnetic engine.....	June 29, 1875	1162	376	7	1122
165, 713	Cilley, David, Milo, Me. Lifting-jack.....	July 20, 1875	576	176	8	112
170, 818	Cilley, Thiel J., Lamont, and Lewis A. Wright and Theodore Nelson, Grand Rapids, Mich. Washing and wringing machine.....	Dec. 7, 1875	148	49	8	970
168, 452	Claes & Co., C. (See Lehnbeuter, Joseph, assignor)..... (Design.)					
168, 321	Claes, Casper. (See Lehnbeuter & Claes)..... (Design.)					
168, 452	Claffin, Buckman, Galion, Ohio. Stove.....	Oct. 5, 1875	117	40	8	552
165, 210	Clanond, Joseph C., and Ladislas A. Gaffie, Paris, France. Galvanic battery.....	July 6, 1875	67		8	18
168, 083	Clapham, James H., Quebec, Canada. Knife-scourer.....	Sept. 28, 1875	678	215	8	525
168, 319	Clapp, C. M. (See Keene, George A., assignor).....					
168, 320	Clapp, Emerous D., and Frederick Van Patten, Auburn, N. Y. Top-prop for carriages.....	Oct. 5, 1875	5	2	8	565
168, 321	Same..... Axle-clip tie and loop.....	Oct. 5, 1875	6	2	8	565
168, 321	Same..... Axle-clip tie for carriages.....	Oct. 5, 1875	6	2	8	565
168, 322	Same..... Die for making body-loop blanks for carriages.....	Oct. 5, 1875	7	3	8	565
164, 637	Clapp, James H., Providence, R. I. Screw-press.....	June 22, 1875	764	251	7	1062
	Clapp, John J. (See Staples, John H., assignor).....					
	Clark & Co. (See Clark, Charles B., assignor)..... (Reissue.)					
	Clark, Abraham. (See Speers & Clark.).....					
160, 082	Clark, Alexander H., Fond du Lac, Wis. Car-coupling.....	Feb. 23, 1875	821	270	7	317
	Clark, Alexander J. (See Emerson, Clark & Richmond.).....					
171, 351	Clark, Charles, Minneapolis, Minn. Hot-air furnace.....	Dec. 21, 1875	682	224 225	8	1056
	Clark, Charles A. (See McGrow & Clark.).....					
	Clark, Charles B., et al. (See Curtis, William H., assignor)..... (Reissue.)					
6, 731	Clark, Charles B., assignor to Clark & Co., Buffalo, N. Y. Brush-holder..... (Reissue.)	Nov. 9, 1875	568	177	8	815
8, 661	Clark, Charles B., Buffalo, N. Y. Jaw of mop and brush holder..... (Design.)	Sept. 21, 1875			8	475
163, 459	Same..... Sash-pulley.....	May 18, 1875	699	223	7	862
163, 460	Same..... Mop.....	May 18, 1875	700	223	7	862
166, 342	Same..... Mop-head.....	Aug. 3, 1875	143	44	8	220
167, 304	Same..... Mop and brush holder.....	Aug. 31, 1875	1100	846	8	387
170, 525	Same..... same.....	Nov. 30, 1875	1192	376	8	924
160, 083	Clark, Charles C., Boston, Mass. Car-brake.....	Feb. 23, 1875	822	270	7	317
164, 905	Clark, Clara P., Wakefield, Mass. Skirt-supporter.....	June 29, 1875	1033	333	7	1104
170, 712	Clark, Culver S., New York, N. Y. Paper-drying machine.....	Dec. 7, 1875	54	16	8	958
158, 907	Clark, Edward, New York, N. Y. Water-proof liquid blacking.....	Jan. 19, 1875	537		7	113
163, 049	Same..... Extensible ladder.....	May 11, 1875	309	99, 100	7	795
8, 418	Clark, Edward C., Rockville, Conn. Cassimere..... (Design.)	June 22, 1875			7	1057
8, 550	Same..... Fabric for clothing..... (Case A. Design.)	July 27, 1875			8	149
8, 551	Same..... same..... (Case B. Design.)	July 27, 1875			8	149
8, 552	Same..... same..... (Case C. Design.)	July 27, 1875			8	149
8, 553	Same..... same..... (Case D. Design.)	July 27, 1875			8	149
8, 636	Same..... Fabric..... (Design.)	Sept. 7, 1875			8	403
8, 821	Same..... Cassimere..... (Design.)	Dec. 7, 1875			8	945
171, 098	Clark, Elijah, Paris, Ky. Electric clock.....	Dec. 14, 1875	418	139	8	1014
170, 235	Clark, Frank M., South Tamworth, N. H. Clothes-drier.....	Nov. 23, 1875	918	266	8	877
	Clark, Franklin N. (See Gibson, Robert F., assignor).....					
160, 648	Clark, Frederick J., Mount Pleasant, Iowa. Earth-angor.....	Mar. 9, 1875	361	122	7	409
166, 913	Clark, George, assignor of one-half interest to Jos. Kast and Charles F. Bitter, Buffalo, N. Y. Apparatus for drying malt.....	Aug. 24, 1875	719	223	8	327
	Clark, George H. (See Blossom & Clark.).....					
158, 908	Clark, George H., Lockport, N. Y. Harvester.....	Jan. 19, 1875	537	179	7	113
171, 469	Clark, George O. (See Slemmer & Clark.).....					
166, 684	Clark, George O., Philadelphia, Pa. Mail-bag.....	Dec. 22, 1875	804	265	8	1081
	Clark, Henry F. (See Palmer & Clark.).....					
	Clark, Henry H., Washington, D. C. Steel glass-cutter.....	Aug. 17, 1875	494	151	8	286
165, 982	Clark, Henry R., et al. (See Curtis, William H., assignor)..... (Reissue.)					
169, 959	Clark, Henry W., Red Bluff, Cal. Adjustable sack-holder.....	July 27, 1875	850	261	8	161
162, 153	Same..... same.....	Nov. 16, 1875	610	200	8	833
160, 649	Clark, Irving D., Gloversville, N. Y. Baby-walker.....	Apr. 20, 1875	521	172	7	658
	Clark, Jacob H., assignor to George Sturges and Jacob H. Clark, Philadelphia, Pa. Ore-roasting furnace.....	Mar. 9, 1875	361	122	7	410
165, 542	Clark, James B., Plantsville, Conn. Die for heading and squaring bolts.....	July 13, 1875	407	122	8	72
140, 050	Clark, James C., South Bend, Ind. Refrigerator.....	Feb. 23, 1875	793	261	7	313
162, 030	Clark, James F., Morenci, Mich. Brick-machine.....	Apr. 13, 1875	390	131	7	634
166, 914	Clark, James M., Lancaster, Pa. Portable carbureted-hydrogen-gas machine.....	Aug. 24, 1875	720	223	8	327
	Clark, Jedediah P. (See Keyes & Clark.).....					
163, 360	Clark, John A., Newark, N. J. Drip-pau for barrels.....	May 18, 1875	615	196 197	7	851
	Clark, John C., administrator. (See Nobles, Milton V.).....					
162, 031	Clark, John K., et al. (See Curtis, William H., assignor)..... (Reissue.)					
165, 850	Clark, John K., Buffalo, N. Y. Sash-fastener.....	Apr. 13, 1875	391	132	7	634
169, 419	Same..... Mop-head.....	Aug. 17, 1875	645	201	8	308
160, 573	Clark, Jonathan C., Middle Haddam, Conn. Bell-metal toy ball.....	Nov. 2, 1875	91	28	8	747
163, 975	Clark, Jonathan N., Bradford, Vt. Dental plate.....	Mar. 9, 1875	297	100	7	400
	Clark, Joseph, Green Point, N. Y., assignor of two-thirds interest to Abel Brear, Saugatuck, Conn., and Frank S. Smitb, Brooklyn, N. Y. Furnace-grate bar.....	June 1, 1875	112	38	7	946
162, 531	Clark, Josiah L., and John Stanfield, Westminster, England. Floating dock and ponton.....	Apr. 27, 1875	897	286 287	7	713
169, 010	Same..... Floating dock.....	Oct. 19, 1875	663	218	8	674



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164, 075	Clark, Minford S., New York, N. Y. Pipe-wrench	June 8, 1875	231	80	7	973
	Clark, Patrick J. (See Kintz, Joseph, assignor) (Design.)					
	Same same (Reissue.)					
168, 616	Clark, Patrick J., and Joseph Kintz, West Meriden, Conn. Lantern	Oct. 11, 1875	298	96	8	614
	Clark, Reeves & Co. (See Kelly, Daniel R., assignor.)					
158, 677	Clark, Robert C., New York, N. Y. Water-closet	Jan. 12, 1875	304	103	7	66
171, 601	Clark, Robert E., Boonville, N. Y. Strainer for coffee-pots	Dec. 28, 1875	930	305	8	1099
166, 260	Clark, Robert M., Nisbet, Pa. Device for destroying bugs upon plants	Aug. 3, 1875	69	21	8	209
171, 505	Clark, Spencer M., Washington, D. C. Power-belt	Dec. 28, 1875	844	276	8	1086
	Clark, Thomas C. (See Raphael, George, assignor.)					
169, 148	Clark, Thomas H., Helena, Mont. Turbine wheel	Oct. 26, 1875	814	264	8	702
166, 453	Clark, Thompson, Akron, Ohio. Weather-strip	Aug. 10, 1875	278	83	8	246
	Clark Thread Company. (See Dimock, Martial, assignor.)					
161, 667	Clark, William, New York, N. Y. Napkin-holder	Apr. 6, 1875	70	25	7	579
160, 051	Clark, William A., New Haven, Conn. Blind-stop	Feb. 23, 1875	794	262	7	313
164, 145	Clark, William D., Springfield, Ill. Floor-clamp	June 8, 1875	290	99	7	981
	Clark, William H. (See Kittredge & Clark.)					
	Clark, William H. (See Smith, Clark, assignor.)					
160, 393	Clark, William H., John W. Richardson, and John Foller, Washington, D. C. Policeman's torch	Mar. 2, 1875	118	43, 44	7	366
166, 588	Clark, William H., and William J. and Anson O. Kittredge, assignors to Kittredge } Cornice and Ornament Company, Salem, Ohio. Sheet-metal-shearing machine. }	Aug. 10, 1875	385	{ 119 } { 130 }	8	262
	Clark, William J. (See Clark & Kittredge.)					
	Clark, William J. (See Kittredge & Clark.)					
6, 291	Clark, William J., Milldale, Conn. Manufacture of bolts	Feb. 16, 1875	729	242	7	297
162, 900	Clark, William O., Northampton, Mass. Cultivator	May 4, 1875	150	49	7	767
	Clarke, Abraham B., et al. (See Berger, Charles W., assignor.)					
159, 795	Clarke, Almon, Sheboygan, Wis., assignor to self and Charles A. Spencer. Umbrella-support for vehicles	Feb. 16, 1875	543	180	7	272
162, 797	Same. Adjustable top	May 4, 1875	59	19	7	754
167, 433	Clarke, Frederick W., San Francisco, Cal. Force-pump	Sept. 7, 1875	49	15	8	413
164, 522	Clarke, George H. (See Van Syckel, Samuel, assignor.)					
	Clarke, Henry, Baltimore, Md. Combination seal-lock	June 15, 1875	652	211	7	1037
	Clarke, Horace. (See Rukgabc & Clarke.)					
	Clarke, John N. (See Greenwood & Clarke.)					
	Clarke, Lewis A. (See Houston, Samuel, assignor.)					
	Clarke, Lizzie D., administratrix, et al. (See Bell, A. John, assignor) (Reissne.)					
	Clarke, Thomas L., et al. (See Bell, A. John, assignor) (Reissue.)					
164, 808	Clarke, Thomas M., and David B. Chase, Winsted, Conn. Die for forming spurs on tool-calks for horseshoes	June 23, 1875	922	299	7	1082
171, 099	Clarkson, George, assignor to Benjamin Kent, Paterson, N. J. Process of compounding paper-pulp	Dec. 14, 1875	419	.....	8	1014
	Clarksville Iron Wagon Manufacturing Company. (See Ball, Ephraim, assignor.)					
166, 502	Clauselles, Enile E. P., Barcelona, Spain. Apparatus for measuring liquids, &c.	Aug. 10, 1875	316	95	8	251
160, 258	Clawson, Isaac S., Monroe, Wis. Wagon-box	Mar. 2, 1875	5	3	7	349
162, 798	Clawson, Linus G., Pleasant Hill, Mo. Corn-plow	May 4, 1875	60	19	7	755
163, 741	Clay, Clemens, Philadelphia, Pa. Bell-pull	May 25, 1875	971	307	7	905
158, 781	Clay, Robert J., Boston, Mass. Automatic toy	Jan. 19, 1875	415	139	7	98
160, 161	Clay, William, Birkenhead, England. Turning-tool for metal	Feb. 23, 1875	887	292	7	326
161, 668	Clayton, Barnes, Philadelphia, Pa. Fastening for studs and buttons	Apr. 6, 1875	70	25	7	579
161, 385	Clayton, James, Portsmouth, Ohio. Machine for forming gear-wheel molds	Mar. 30, 1875	1087	352	7	529
161, 327	Clayton, Ransom F., Melrose, assignor to self and John Costello, Boston, Mass. Gas-generating burner	Mar. 30, 1875	1028	334	7	521
158, 469	Cleary, Edward, Houston, Tex. Locomotive smoke-stack	Jan. 5, 1875	105	35	7	23
169, 420	Cleave, T. James, Cleveland, Ohio. Weather-strip	Nov. 2, 1875	91	28	8	747
163, 742	Cleveland, Caleb T., Old Town, Me. Spool-holder	May 25, 1875	972	307	7	905
166, 187	Cleveland, Wallace W., Cold Water, Mich. Current water-wheel	Aug. 3, 1875	6	3	8	199
	Clegg, Charles B., et al. (See Archer, William S., assignor.)					
161, 932	Cleland, John W., Nevada, Mo. Hand corn-planter	Apr. 13, 1875	315	105	7	624
160, 162	Clem, James M., Opelika, Ala. Car-coupling	Feb. 23, 1875	888	292	7	327
163, 743	Clem, James M., assignor of part interest to W. B. Shapard, George A. and A. P. Birch, and W. S. Greene, Opelika, Ala. Car-coupling link	May 25, 1875	972	308	7	905
163, 361	Clemens, Gilbert H., and George C. Morgan, Chicago, Ill. Street-hydrant	May 18, 1875	616	197	7	851
165, 791	Clemens, Gilbert H., Chicago, Ill. Relief-valve	July 20, 1875	647	199	8	132
	Clement, James, et al. (See Hussey, John H., assignor.)					
164, 971	Clement, Julia P., Williamston, S. C. Hen's nest	June 29, 1875	1089	351	7	1111
	Clement, William. (See Linsley, McCulloch & Clement.)					
163, 577	Clements, Charles W., Yarmouth, Canada. Jib-bank	May 25, 1875	827	262	7	886
161, 592	Clements, William, Fiskville, Tex. Combined gang-plow and cultivator	Apr. 6, 1875	5	2	7	569
161, 754	Clements, William W., Camilla, Ga. Turpentine-pan	Apr. 6, 1875	142	49	7	589
168, 720	Clemmshaw, Benjamin F., Troy, assignor to Lloyd Canaday, Albany, N. Y. Fire-extinguisher	Oct. 11, 1875	388	127	8	627
159, 562	Clemson, William, Middletown, N. Y. Saw-frame	Feb. 9, 1875	316	103	7	235
167, 434	Cleveland, George H., Camden, Me. Paper-bag holder	Sept. 7, 1875	51	15	8	413
163, 290	Cleveland, Jehial H., Buffalo, N. Y. Sewing-machine tucker	May 11, 1875	535	172	7	824
158, 470	Cleveland, Jerome, assignor to self and Henry Haines, Tecumseh, Mich. Saw-filing machine	Jan. 5, 1875	106	35, 36	7	24
	Cleveland, John F. (See Schermerhorn, Charles, assignor.)					
	Cleveland, Orestes. (See Somers, Daniel M., assignor.)					
	Cleveland, Orestes. (See Tower, Levi L., assignor.) (Reissue.)					
	Clewley, Francis. (See Byron & Clewley.)					
	Cliff, Eaton. (See Bates, Joseph W., assignor.)					
161, 032	Clime, John C., assignor of two-thirds interest to Jonathan C. Cline and Joseph Ling, Philadelphia, Pa. Roundabout	Apr. 13, 1875	392	132	7	635
	Cline, Jonathan C., et al. (See Clime, John C., assignor.)					
	Clinch, John M. (See Choate, George W., assignor.)					
165, 543	Cline, John B., Jefferson, Iowa. Elevator-bucket	July 13, 1875	408	122	8	72
160, 815	Cline, Martin, assignor to self and William J. Cline, Chicago, Ill. Egg-beater	Mar. 16, 1875	539	175	7	440
	Cline, Seiberling & Co. (See Seiberling, James H., assignor.)					
160, 005	Cline, William, jr., assignor to Henry A. Marley, Clayton, Ind. Car-coupling	Feb. 23, 1875	755	250	7	308
	Cline, William J. (See Cline, Martin, assignor.)					
164, 266	Clinton, Charles M., and Lyndred Mood, Ithaca, N. Y. Horse-rake	June 8, 1875	403	{ 135 } { 136 }	7	996
160, 394	Clinton, Henry E., Seymour, Conn., assignor to John Matthews & Co., New York, N. Y. Machine for bottling aerated liquids	Mar. 2, 1875	119	44	7	366

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165, 475	Clinton, Minor B. (See Ford, Oscar E., assignor.) Clinton, Orson P., Menasha, Wis. Automatic gato Clinton Wire-Cloth Company. (See Waters, Charles H., assignor) (Reissue.)	July 13, 1875	347	102	8	63
164, 972	Clippinger, Hugh L., Martinsburgh, W. Va. Weather-boarding	June 29, 1875	1090	351	7	1111
167, 498	Clist, Albert, Delhi, N. Y. Spoke-socket	Sept. 7, 1875	101	32	8	421
166, 070	Cliver, George E., assignor to self and Robert Eastman, Philadelphia, Pa. Motor for railway-cars	July 27, 1875	929	287	8	172
169, 149	Clock, Lewis G., Boston, Mass. Heel-trimming machine	Oct. 26, 1875	815	264 265	8	702
158, 361	Clooney, Benjamin A., assignor to New York Car Spring Company, New York, N. Y. Car-spring	Jan. 5, 1875	9	3	7	10
161, 386	Clooney, Benjamin A., New York, N. Y., assignor to New York Car Spring Company. Car-spring	Mar. 30, 1875	1087	352	7	529
167, 305	Clopton, James P., Milan, Tenn. Harness-hamo	Aug. 31, 1875	1101	346	8	388
168, 821	Close, Stewart B., New York, N. Y. Dish (Design)	Mar. 23, 1875			7	466
168, 876	Close, Thomas J., Philadelphia, Pa. Tool-handle	Oct. 19, 1875	538	176	8	657
168, 877	Closterman, Joseph L., Cincinnati, Ohio. Sofa-bedstead	Oct. 19, 1875	538	177	8	657
166, 967	Clotworthy, William P., Baltimore, Md. Combination syringe	Aug. 24, 1875	773	238	8	334
169, 238	Same. Syringe	Oct. 26, 1875	891	290	8	714
163, 744	Cloud, William H., and David D. Craig, Fremont, Ohio. Vehicle-scat	May 25, 1875	973	368	7	905
170, 989	Cloudman, Augustus F., assignor of one-half interest to José Fernandez, Brooklyn, N. Y. Automatic fan	Dec. 14, 1875	321	106	8	1000
164, 267	Clough, Jefferson M., assignor to E. Remington & Sons, Ilion, N. Y. Swivel-band for fire-arms	June 8, 1875	407	136	7	996
158, 832	Clough, Theodore, assignor to self, Alonzo T. Welsh, Henry Iden, and Loring P. Hawes, New York, N. Y. Argand gas-burner	Jan. 19, 1875	464	156	7	104
159, 796	Clough, William K., Newark, N. J. Bill-file	Feb. 16, 1875	543	180	7	272
161, 755	Same. Wire cork-screw	Apr. 6, 1875	142	49	7	589
	Clover, Bertrand. (See Grover, Theodore L., assignor.)					
	Clover, Charles S., administrator. (See Clover, Harvey H.)					
162, 351	Clover, Harvey H., deceased, Cincinnati, Ohio, by Charles S. Clover, administrator, Bay City, Mich. Hydrant	Apr. 20, 1875	703	229	7	681
169, 776	Clow, George E., and Perlee H. Webster, Chicago, Ill. Wagon-tongue support	Nov. 9, 1875	460	145	8	802
	Clowes, William, jr., et al. (See Hooker, John, assignor.)					
	Clowes, William C. K., et al. (See Hooker, John, assignor.)					
164, 426	Clubb, John, Seneca, N. Y. Fifth-wheel for carriages	June 15, 1875	574	186	7	1027
158, 627	Cluett, J. W. Alfred, Troy, N. Y. Cuff	Jan. 12, 1875	258	88	7	60
161, 205	Cluett, Robert, Troy, N. Y. Shirt-bosom	Mar. 23, 1875	889	292	7	496
166, 748	Clunan, James, Brooklyn, N. Y. Water-proofing compound for leather	Aug. 17, 1875	554		8	294
6, 352	Clute, Solomon J., and Daniel M. Durfee, Rockwood, N. Y. Glove (Reissue)	Mar. 30, 1875	1280	411	7	554
170, 055	Cluxton, Henry B., Ripley, Ohio. Fence	Nov. 16, 1875	723	230	8	845
160, 750	Clymans, William S., Burnt Cabins, Pa. Grain-separator	Mar. 16, 1875	476	156	7	432
165, 544	Same. same	July 13, 1875	409	122	8	73
158, 471	Coates, Amos W., Alliance, Ohio. Horse hay-rake	Jan. 5, 1875	107	36	7	24
164, 811	Same. Spring-chair	June 22, 1875	926	300	7	1083
167, 499	Coats, Chandler C., Newark, N. J. Railway-switch	Sept. 7, 1875	101	32	8	421
	Coats, Oliver P. (See Boag, Alexander, assignor.)					
158, 782	Coburn, Jehiel C. and Lemuel, Worcester, Mass.; said Jehiel C. assignor to said Lemuel. Mechanism for molding paper-pulp	Jan. 19, 1875	415	140	7	98
	Coburn, Lemuel. (See Coburn, Jehiel C. and Lemuel.)					
164, 640	Coburn, Melville B., Ruff's Dale, Pa. Wardrobe	June 22, 1875	766	252	7	1062
158, 628	Coburn, Oscar M., Beaver Falls, Pa. Hame-fastener	Jan. 12, 1875	259	88	7	60
168, 375	Cochems, Henry, Easton, Pa. Key-hole guard for locks	Oct. 5, 1875	50	18	8	572
161, 098	Cochran, Henry S., Philadelphia, Pa. Coin-scales	Mar. 23, 1875	797	261 262	7	484
161, 099	Cochran, John, jr., Roscoe, Mo. Chinch-bug destroyer	Mar. 23, 1875	798	262	7	484
166, 851	Cochran, John, Purdy's Station, N. Y. Coal-hod	Aug. 17, 1875	646	201	8	308
158, 678	Cochran, William J., Baltimore, Md. Car-wheel	Jan. 12, 1875	304	103	7	67
159, 644	Same. same	Feb. 9, 1875	376	125	7	244
167, 644	Cochrane, Charles, Grange, Stourbridge, and Edward A. Cowper, Westminster, England. Regenerative hot-blast stove	Sept. 4, 1875	247	77	8	448
	Cochrane, Edmond W. (See Sawyer, Joshua, assignor.)					
6, 594	Cochrane, William F., La Fayette, Ind., assignor, by mesne assignments, to self, Rodney Mason, and William Warder. Machine for bolting flour. (Reissue)	Aug. 17, 1875	704	219	8	316
6, 595	Same. same	Aug. 17, 1875	706	219	8	316
158, 909	Cochrane, William F., La Fayette, Ind. Hemp-harvester	Jan. 19, 1875	538	179	7	113
158, 910	Same. Mowing-machine	Jan. 19, 1875	539	179	7	113
	Cockburn, George T. (See Cushman & Cockburn.)					
	Codd, George S. (See Converse, Henry M., assignor.)					
168, 231	Codding, Charles A., Dowagiac, Mich. Eave-trough	Sept. 28, 1875	813	258	8	544
	Codington, Ezra, et al. (See Edwards, George W., assignor.)					
162, 154	Codman, John T., Boston, Mass. Dental mallet	Apr. 20, 1875	592	172	7	658
164, 973	Same. Furniture-caster	June 29, 1875	1090	351	7	1111
171, 602	Cody, John, New York, N. Y. Snow-melting machine	Dec. 28, 1875	931	365	8	1099
164, 146	Coe, Edward, New Haven, Conn. Automatically-operated gas-cock	June 8, 1875	291	99	7	981
	Coe, Frederick W. (See Field, Anstin W., assignor.)					
170, 056	Coe, Ira, Quincy, Ill. Fruit-gatherer	Nov. 16, 1875	723	230	8	845
167, 500	Coe, James F., Zaleski, Ohio. Churn	Sept. 7, 1875	102	32	8	421
159, 302	Coe, John W., and Daniel Merritt, Williamsburgh, N. Y. Side-bar for vehicles	Feb. 2, 1875	53	20	7	192
159, 081	Coe, Julius S., Mont Cnixr, N. J. Bee-hive	Jan. 26, 1875	722	239	7	145
	Coe, J. W., et al. (See Olsson, Axel, assignor.)					
167, 825	Coes, Aury G., Worcester, Mass. Die for forming wrench-bars, &c	Sept. 21, 1875	424	135	8	422
171, 550	Coes, John H., Worcester, Mass. Screw-wrench	Dec. 28, 1875	882	229	8	1092
	Coes, Loring. (See Prouty, Coes & Taft.)					
169, 522	Coevocet, Julien H., Calais, France. Machine for the manufacture of nets	Nov. 2, 1875	179	60	8	759
163, 139	Coffin, David N. B., jr., Newton, Mass. Windlass and capstan	Sept. 28, 1875	735	132 133	8	533
	Coffin, Galen. (See Gillespie & Coffin.)					
	Coffin, George S. (See Coffin & Klotz, assignors.)					
167, 875	Coffin, James H., and Phao S. Klotz, Slatington, assignors of one-third interest to George S. Coffin, Danielsville, Pa. Slato-polisher	Sept. 21, 1875	472	149	8	488
	Coffin, John E. (See Colby & Coffin.)					
158, 679	Coffin, John E., Portland, Me. Machine for rounding and backing books	Jan. 12, 1875	305	101	7	67
165, 306	Coffin, John E., Mystic River, Conn. Power-press	July 6, 1875	47	45	8	29
171, 366	Same. Book-backing machine	Dec. 21, 1875	693	228 229	8	1058

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168, 878	Coffin, John E., Mystic River, assignor of one-half interest to L. W. Morse, jr., Groton, Conn. Machine for driving tacks.....	Oct. 19, 1875	539	177	8	657
	Coffman, William H. (See Croy, William D. and David M., assignors.)					
164, 268	Cogan, Bernard. (See Cunningham, Patrick, assignor.)					
	Cogger, William B., Morris, assignor to Sherwood School Furniture Company, Chicago, Ill. Hinge for seat-arms of school-desks.....	June 8, 1875	408	136	7	996
	Coggin, F. G., et al. (See Woodbury, Leander S., assignor.)					
159, 501	Cogswell, Thomas, Boston, Mass. Cabinet for dentists' use.....	Feb. 9, 1875	258	84	7	228
163, 578	Same.....Dental mirror.....	May 25, 1875	828	262	7	886
170, 957	Cogswell, Thomas, Boston, Mass., assignor to Samuel S. White, Philadelphia, Pa. Tool-carrier for dental engines.....	Nov. 16, 1875	724	230	8	845
	Cogswell, William A. (See Judson & Cogswell.)					
163, 638	Cohen, Gustavus M., and Gregor Dietz, Cleveland, Ohio. Music-leaf turner.....	May 25, 1875	884	279	7	893
167, 645	Cohen, Louis P., and Ignatz Frank, New York, N. Y. Machine for cutting roll-paper..... (Reissue.)	Sept. 14, 1875	248	77	8	448
	Cohn, Leopold. (See Ballard, Achilles, assignor.)					
161, 756	Cohn, Leopold S., Berlin, Wis. Farm-gate.....	Apr. 6, 1875	143	50	7	589
165, 792	Same.....Gate.....	July 20, 1875	649	199	8	122
166, 188	Cohue, Sigismund, London, Great Britain. Process for the manufacture of material for bearings.....	Aug. 3, 1875	7		8	200
8, 358	Coignet, Joseph, assignor to Hamill & Booth, New York, N. Y. Silk fabric..... (Design.)	June 1, 1875			7	926
8, 584	Same.....same..... (Design.)	Aug. 31, 1875			8	364
	Coit, Samuel, et al. (See Sampson, William S., assignor.)					
159, 248	Coit, William D., New York, N. Y. Traveling-trunk.....	Feb. 2, 1875	7	2	7	185
168, 879	Colbert, Lewin A., Baltimore, Md. Folding wardrobe.....	Oct. 19, 1875	541	177	8	657
	Colbert, Mason. (See Post & Colbert.)					
162, 352	Colbeck, David, Philadelphia, Pa. Paper-feeding machine.....	Apr. 20, 1875	705	229	7	681
170, 990	Colburn, George F. J., Washington, D. C. Evaporator for hot-air pipe..... (Extension.)	Jan. 21, 1875			7	222
	Same.....Evaporator.....	Dec. 14, 1875	322	106	8	1000
	Colburn, George W., et al. (See Dorr, Warren, assignor.)					
159, 391	Colby Adjustable Hemmer Company. (See Colby, Asa F., assignor.)					
	Colby, Asa F., Bath, Me., assignor to Colby Adjustable Hemmer Company, Bath, Me. Hemmer for sewing-machines.....	Feb. 2, 1875	133	46	7	203
6, 585	Colby, Caleb K., New York, N. Y. Design for cases..... (Reissue.)	Aug. 10, 1875	472	145	8	273
162, 272	Colby, John A., Springfield, Mass. Door-latch.....	Apr. 20, 1875	632	206	7	672
167, 070	Colby, John N., and John E. Coffin, Mystic Bridge, Conn. Combined cane and umbrella.....	Aug. 24, 1875	569	271	8	347
162, 126	Coldwell, Thomas, Newburgh, N. Y. Lawn-mower.....	Apr. 27, 1875	975	313	7	723
166, 968	Cole, Emanuel, New York, N. Y. Churney-cowl.....	Aug. 24, 1875	773	238	8	334
160, 878	Cole, Frederick, and David D. L. McCulloch, Kankakee, Ill. Limo-kilu.....	Mar. 16, 1875	589	192	7	447
167, 071	Cole, Gideon W., Canton, Ill. Washing-machine.....	Aug. 24, 1875	870	281	8	347
170, 058	Cole, John A., Chicago, Ill. Pipe-coupling.....	Nov. 16, 1875	725	231	8	845
165, 793	Cole, Mortimer G., Bexley Heath, assignor to James Hoddell & Co., Coventry, England. Watch.....	July 20, 1875	650	199	8	122
171, 506	Cole, Otis F., Norwich, Conn. Extracting shells from revolving fire-arms.....	Dec. 28, 1875	845	277	8	1086
169, 623	Cole, Thomas A., Tratalgar, Ind. Wheel-barrow.....	Nov. 9, 1875	298	96	8	782
166, 852	Cole, Thomas Z., assignor of one-fourth interest to John E. Walton, Galveston, Tex. Excavator.....	Aug. 17, 1875	647	201	8	308
168, 721	Coleman Bolt and Nut Company, M. J. (See Hartin & Cummins, assignors.)					
	Coleman, Cornelius, assignor to Parker & Whipple Company, West Meriden, Conn. Door-bell.....	Oct. 11, 1875	389	127	8	627
169, 421	Same.....Attaching knobs to spindles.....	Nov. 2, 1875	92	28	8	747
165, 794	Coleman, Francis W., Rodney, Miss. Key-holder.....	July 20, 1875	651	200	8	122
	Coleman, Hiram. (See Savage & Coleman.)					
164, 718	Coleman, Joshua R., and Samuel Myers. Machine for tenoning spokes.....	June 22, 1875	840	273	7	1072
160, 163	Colgrove, Austin E., assignor of one-half interest to Eliza Young, Attica, Ind. Pot-lid.....	Feb. 23, 1875	889	293	7	327
6, 759	Coll, Hugh, Millvale, Pa. Water-ejector..... (Reissue.)	Nov. 23, 1875	1096	345	8	903
	Collard, Georgianna D. (See Stackpole, Greenleaf, assignor.)					
	Same.....same..... (Reissue.)					
6, 469	Collender, Hugh W., New York, N. Y. Billiard-table..... (Reissue.)	June 1, 1875	212	75	7	959
167, 501	Same.....Billiard-table cushion.....	Sept. 7, 1875	103	33	8	421
170, 059	Same.....Billiard-table.....	Nov. 16, 1875	730	231	8	845
162, 961	Collett, Eustace J., Washington, D. C. Cartridge.....	May 4, 1875	151	49	7	767
163, 745	Colley, Benjamin E., Cambridge, Mass. Upright piano-forte.....	May 25, 1875	973	308	7	905
164, 623	Colley, William W., Philadelphia, Pa. Railway-switch.....	June 15, 1875	655	211	7	1037
165, 795	Same.....Railway-switch signal.....	July 20, 1875	632	200	8	123
161, 593	Collier, Orrin, Sacramento, Cal. Boot-clamp for boot-jacks.....	Apr. 6, 1875	6	2	7	569
167, 435	Same.....Spring-power regulator.....	Sept. 7, 1875	51	15	8	413
161, 933	Collier, William F., Worcester, Mass. Table-caster.....	Apr. 13, 1875	316	106	7	625
166, 346	Same.....Wire dish-stand.....	Aug. 3, 1875	146	45	8	220
159, 392	Collins, Charles A., Akron, Ohio. Side-bar wagon.....	Feb. 2, 1875	134	46	7	203
168, 140	Collins, Cornelius, and James H. McCalla, East Melrose, Iowa. Artificial leg.....	Sept. 28, 1875	738	133	8	533
165, 408	Collins, David M., Lowell, Mass. Loom picking mechanism.....	July 13, 1875	278	82	8	53
162, 799	Collins, George, Kingfield, Me. Saw-buck.....	May 4, 1875	60	19	7	755
168, 453	Collins, Giles H., Kalamazoo, Mich. Bell-ringer.....	Oct. 5, 1875	117	40	8	552
	Collins, Isaac S. (See Smith & Collins.)					
166, 503	Collins, James F., Washington, D. C. Sash-cord fastener.....	Aug. 10, 1875	317	96	8	251
163, 830	Collins, James P., Norwich, Conn. Water-wheel.....	June 1, 1875	14	4	7	932
159, 563	Collins, John W., Chicago, Ill. End-gate fastening.....	Feb. 9, 1875	316	103	7	235
165, 983	Same.....Stove-grate.....	July 27, 1875	850	262	8	161
163, 153	Collins, M. Grier, assignor of two-thirds interest to James C. Pickels and William P. Smith, Wilmington, Del. Pinch-bar.....	May 11, 1875	405	130	7	807
	Collins, Thomas. (See Crowther & Collins.)					
159, 018	Collins, Tyrannus F., Boston, Mass. Paper-ruling machine.....	Jan. 26, 1875	668	218	7	137
164, 676	Collins, Victor N., Nordhoff, Cal. Finger-bar for harvesters.....	June 22, 1875	798	261	7	1066
169, 960	Collinson, Henry, Boston, Mass. Lid for gas-retorts.....	Nov. 16, 1875	641	300	8	833
161, 934	Collinson, Henry, assignor of one-half interest to Josiah B. Kendall, Boston, Mass. Man-hole-cover for steam-boilers.....	Apr. 13, 1875	317	106	7	625
162, 998	Collison, Henry C., Dover, Del. Dripping-stand for vessels.....	May 11, 1875	262	85	7	789
164, 363	Collyer, Charles W., Marblehead, Mass. Machine for attaching soles to boots and shoes.....	June 15, 1875	510	168	7	1019
	Colman, John B. (See Parker & Colman.)					
170, 236	Colman, Nicholas J., San Francisco, Cal. Tappet-clamp for stamp-stems.....	Nov. 23, 1875	918	286	8	878
	Colt, William D. (See Hopkins, Jason R., assignor.)					
	Colton, Franklin B. (See Allen, James M., assignor.)					
168, 376	Colton, Joseph, New Orleans, La. Safety-pocket.....	Oct. 5, 1875	51	18	8	572
	Colt's Patent Fire-Arms Manufacturing Company. (See Franklin, William B., assignor.)					
	Same..... (See Mason, William, assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. g.	Vol.	Page.
162, 273	Colver, Amos B., Albany, Oreg. Cultivator.....	Apr. 20, 1875	633	206	7	672
159, 303	Colver, Hiram W., Waukesha, Wis. Stamping-mill. Colvin and Company, S. (See Remington, Horatio A., assignor.)	Feb. 2, 1875	53	20	7	192
170, 237	Colvin, Orson, Vicksburgh, assignor, by mesne assignment, of one-half interest to John L. Hawkins, Portage, Mich. Bee-hive.....	Nov. 23, 1875	919	286	8	878
162, 800	Colwell, Myron W., Dunlap, Iowa. Fence-post.....	May 4, 1875	61	20	7	755
166, 593	Colwell, Robert. (See Shoots, James D., assignor.) Colwell, William, Chillicothe, Ill. Grain-meter.....	Aug. 10, 1875	391	121	8	262
166, 749	Colwell, William S. (See Weaver & Colwell.) Colwell, William S., Pittsburgh, Pa. Furnace for brick-kilns.....	Aug. 17, 1875	555	170	8	294
167, 826	Same.....	Sept. 21, 1875	425	135	8	482
168, 617	Same.....	Oct. 11, 1875	292	97	8	614
168, 454	Coman, William E., Oak Park, Ill. Earth-auger.....	Oct. 5, 1875	118	41	8	552
164, 076	Combs, Hiram S., Georgetown, Conn., and William Rhodes, New York, N. Y. Mechanical movement.....	June 8, 1875	232	81	7	973
161, 387	Combs, John H., Stamford, Conn. Thill-coupling jack.....	Mar. 30, 1875	1088	353	7	529
	Combs, Philip. (See Mills, James, assignor.) Combs, Richard T. (See Von Auer, William, assignor.)					
164, 364	Combs, William, Geneva, N. Y. Washing-machine.....	June 15, 1875	512	168	7	1019
167, 989	Comfort, Orrin F., Evansville, Wis. Door-spring.....	Sept. 21, 1875	556	179	8	502
161, 206	Comly, James, assignor to Feigl, Stulb & Co., Philadelphia, Pa. Bird-cage hook.....	Mar. 23, 1875	890	292	7	496
166, 504	Comly, Joshua, Philadelphia, Pa. Stone-crusher.....	Aug. 10, 1875	318	96	8	252
158, 783	Commerce, Mathias, Jersey City, N. J. Washing-machine.....	Jan. 19, 1875	417	140	7	98
	Compressing Company. (See Baldwin, Augustine, assignor.) Compton, George. (See Witter, Henry M., assignor.)					
167, 502	Comstock, Austin M., Battle Creek, Mich. Flour and middlings purifier.....	Sept. 7, 1875	104	33	8	421
	Comstock, Castle & Co. (See Castle, Chauncey H., assignor.) Same..... (See Shontz, Absalom S., assignor.) Same..... (See Vedder, Nicholas S., assignor)..... (Design.)					
159, 155	Comstock, Chester, New Canaan, Conn. Steam-heat radiator.....	Jan. 26, 1875	785	258	7	154
166, 189	Comstock, George R., Mankato, Minn. Meat-tenderer.....	Ang. 3, 1875	7	3	8	200
158, 572	Comstock, Gilbert, Keokuk, Iowa. Heating-stove.....	Jan. 12, 1875	210	71, 72	7	54
168, 084	Same..... Cooking-stove.....	Sept. 28, 1875	679	215	8	526
	Comstock, John M. (See Dempster, Robert, assignor.) Comstock, Levi K., Richmond, Va. Stove.....					
159, 797	Comstock, Levi K., Richmond, Va. Stove.....	Feb. 16, 1875	544	181	7	272
166, 261	Conant, Henry B., Geneva Lake, Wis. Dust-brush.....	Aug. 3, 1875	69	22	8	209
149, 422	Conant, Hezekiah, Pawtucket, R. I. Automatic sprinkler for extinguishing fires.....	Nov. 2, 1875	93	29	8	747
169, 893	Conant, Luther, Geneva, Ill. Copy-holder.....	Nov. 16, 1875	586	182	8	826
168, 880	Conaway, John H., Nelsonville, Ohio. Washing-machine.....	Oct. 19, 1875	541	177	8	657
159, 798	Conboy, Daniel, Uxbridge, Canada. Cartilage-seat.....	Feb. 16, 1875	545	181	7	272
160, 879	Conde, Alonzo B., Trumansburgh, N. Y. Manufacture of snap-hooks.....	Mar. 16, 1875	500	192	7	442
161, 483	Same..... Lever attachment for mowing-machines.....	Mar. 30, 1875	1177	378	7	540
	Condit, A. S., et al. (See Vober, William F., assignor.) Condit, H. G., et al. (See Veber, William F., assignor.)					
165, 545	Condon, John W., Baltimore, Md. Ice-cream freezer.....	July 13, 1875	409	122	8	73
158, 680	Conc, Alfred M., assignor to self and L. D. Parsons, Corry, Pa. Bandage-winder.....	Jan. 12, 1875	308	105	7	67
8, 070	Conc, Henry D., Stockbridge, Mass. Writing-paper..... (Case A. Design)	Feb. 23, 1875			7	302
8, 071	Same..... (Case B. Design)	Feb. 23, 1875			7	302
8, 452	Same..... (Design)	July 6, 1875			8	4
161, 100	Conger, David G., New York, N. Y. Composition pavement.....	Mar. 23, 1875	799		7	484
159, 799	Conigisky, Louis, Peoria, Ill. Bustle.....	Feb. 16, 1875	546	182	7	272
6, 797	Conklin, Benjamin Y., Brooklyn, N. Y. Black-board and other rubbers..... (Reissue)	Dec. 14, 1875	537	177	8	1029
	Conklin, Eliza S., executrix. (See Stafford, Daniel S.)..... (Disclaimer) Same..... (See Stafford, Daniel S.)..... (Extension)					
162, 801	Conklin, George, Poughkeepsie, N. Y. Grapple.....	May 4, 1875	61	20	7	755
152, 911	Conklin, Henry N., Indianapolis, Ind. Boot-jack.....	Jan. 19, 1875	541	180	7	113
160, 006	Conklin, Ira P., assignor to William B. Kinsey, Philadelphia, Pa. Combined poker and tongs.....	Feb. 23, 1875	756	250	7	308
	Conklin, W. A., et al. (See Ebbert, Jerry, assignor.) Same..... (See Schroeffel, John, jr., assignor.)					
164, 427	Conlee, George W., assignor of one-third interest to Hiram H. Dyer, Oshkosh, Wis. Relishing-machine.....	June 15, 1875	575	186	7	1027
164, 526	Conlee, George W., assignor of one-third interest to Hiram M. Dyer, of Oshkosh, Wis. Machine for making wooden pins.....	June 15, 1875	657	212	7	1038
165, 307	Conley, Edward, Cincinnati, Ohio. Process of bleaching jute for paper-pulp.....	July 6, 1875	148		8	29
	Conley, Francis M. (See Jinks, Melvin, assignor.) Conley, Samuel J., et al. (See Andrews, Edwin F., assignor.)					
160, 164	Conn, Charles G., Elkhart, Ind. Mouth piece for musical instruments.....	Feb. 23, 1875	889	293	7	327
158, 912	Connell, James M., Newark, Ohio, assignor of one-half interest to Reuben M. Weaver, Williamsport, Pa. Air and steam car-brake.....	Jan. 19, 1875	541	180	7	114
169, 675	Connely, John P., Kensington, Conn. Door-bell.....	Nov. 9, 1875	353	111	8	789
161, 388	Connolly, Joseph H., New Brighton, Pa. Apparatus for extinguishing fire.....	Mar. 30, 1875	1088	353	7	529
170, 060	Connolly, Joseph H., New Brighton, assignor to James L. and William H. Hastings, Pittsburgh, Pa. Fire-extinguishing apparatus.....	Nov. 16, 1875	728	231	8	845
170, 820	Same.....	Dec. 7, 1875	149	50	8	970
	Conner, Andrew J. (See Cawthon & Conner.) Conner, James M., Greenville, N. J. Font of printing-types..... (Design) Same..... (Design) Same..... (Design)					
8, 313	Conner, James M., Greenville, N. J. Font of printing-types..... (Design)	May 4, 1875			7	742
8, 317	Same..... (Design)	May 11, 1875			7	782
8, 419	Same..... (Design)	June 22, 1875			7	1057
8, 714	Connor, James M., Greenville, N. J. Printing-type..... (Design)	Oct. 11, 1875			8	600
163, 744	Connor, John D., and Louis Fritz, Philadelphia, Pa. Car-coupling.....	May 25, 1875	974	308	7	905
163, 461	Connor, William M., and Wilford I. Rouse, Burlington, Ky. Hay-conveyor.....	May 18, 1875	701	224	7	862
164, 525	Conners, Thomas B., assignor to James G. Bennett, New York, N. Y. Target.....	June 15, 1875	656	212	7	1038
	Connet, Andrew T. (See Swallow, William B., assignor.) Connolly, M. Daniel, Philadelphia, Pa. Drinking-vessel..... (Design)					
8, 302	Connolly, M. Daniel, Philadelphia, Pa. Drinking-vessel..... (Design)	Apr. 27, 1875			7	701
158, 629	Connor, Benjamin H., Cincinnati, Ohio. Machine for turning irregular forms.....	Jan. 12, 1875	259	88	7	61
160, 880	Connor, David, Meriden, assignor to Eli Whitney, New Haven, Conn. Breech-loading fire-arm.....	Mar. 16, 1875	591	192	7	447
167, 744	Connor, Herbert N., Philadelphia, Pa. Sash-cord fastener.....	Sept. 14, 1875	332	106	8	460
170, 238	Connor, John O., Buffalo, N. Y. Hydrant.....	Nov. 23, 1875	921	287	8	878
166, 218	Connor, William O., assignor of one-half interest to George B. Cornell, Chicago, Ill. Window-shutter.....	Aug. 3, 1875	31	10	8	203
170, 819	Conolly, Joseph B., Washington, D. C. Cuspadore.....	Dec. 7, 1875	149	49	8	970
164, 809	Conolly, Peter M., Saint Louis, Mo. Pneumatic engine.....	June 22, 1875	933	299	7	1082
6, 541	Conover, Jacob A., New York, N. Y. Machine for splitting wood..... (Reissue)	July 13, 1875	515	157	8	88

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 388	Conover, Stephen B., Jersey City, N. J. Wagon-seat	Sept. 7, 1875	8	3	8	108
170, 991	Same..... Paper box	Dec. 14, 1875	323	107	8	1001
158, 573	Conrad, John H. (See Bell & Conrad.) Conrad, Osborn. (See Minich, Daniel, assignor.) Conradson, Eugene G., and Albin Forsell, Brooklyn, N. Y. Sponge-holder	Jan. 12, 1875	211	72	7	54
164, 147	Consolidated Tobacco Company. (See Culp, James D., assignor.) (Reissue.) Consolidated Wax Thread Sewing Machine Company. (See Bean, Edwin E., assignor.) Conver, William H., Agnew's Mills, Pa. Pump	June 8, 1875	292	100	7	981
168, 141	Convers, A. Y. (See Heddon, William, assignor.) Convers, Wilber H., New Orleans, La., assignor to Harry C. Goodrich, Chicago, Ill. Ruffling attachment for sewing-machines	Sept. 28, 1875	739	133	8	531
171, 352	Converse, B. C. (See Woliston, Philip N., assignor.) Converse, E. K., et al. (See Bell, A. John, assignor.) (Reissue.)	Dec. 21, 1875	682	225	8	1056
164, 524	Converse, Henry, Sandusky, Ohio. Shirt-front Converse, Henry M., assignor of one-half interest to George S. Codd, Waterloo, Canada. Curtain-fixture	June 15, 1875	655	212	7	1038
162, 274	Converse, Lyman P., et al. (See Reed, William H., assignor.)	Apr. 20, 1875	634	206	7	672
166, 190	Converse, Maschil D., Jersey City, N. J. Nail-extractor	Aug. 3, 1875	9	3	8	200
167, 436	Converse, Susan T., Woburn, Mass. Under-clothing for women	Sept. 7, 1875	52	16	8	413
160, 751	Same..... Under-garment	Mar. 16, 1875	477	156	7	432
171, 353	Conway, Frederick, Buffalo, N. Y. Harness-clip	Dec. 21, 1875	683	225	8	1056
167, 387	Conway, Jesse, Baltimore, Md. Wrench-out	Sept. 7, 1875	6	2	8	407
166, 451	Cook, Andrew J., Wichita, Kans., assignor of one-fourth interest to Ralph Emerson and William A. Talcott, Rockford, Ill. Harvester	Aug. 10, 1875	278	.....	8	246
165, 546	Cook, Anson G., Burlington, Vt. Manufacture of iron and steel	July 13, 1875	410	123	8	73
167, 827	Cook, Asa B., Eric, Pa. Shaft-coupling	Sept. 21, 1875	426	136	8	482
169, 676	Cook, Carter, and Walter W. Bostwick, assignors to W. W. Bostwick & Co. Cincinnati, Ohio. Fruit and jelly press	Nov. 9, 1875	353	112	8	789
163, 462	Cook, Dexter, Elmira, N. Y. Water regulator and indicator for steam-boilers	May 18, 1875	702	224	7	862
164, 269	Cook, E. Rezeau, Trenton, N. J. Railway-ticket	June 8, 1875	409	137	7	996
162, 460	Cook, Henry E. (See Williams, Cook & Kline.)	Apr. 27, 1875	834	269	7	705
170, 397	Cook, Hezekiah S., Albany, N. Y. Stove attachment	Dec. 14, 1875	267	89	8	993
164, 527	Cook, Hiram, Norwich, Conn. Railway-switch	June 15, 1875	657	212	7	1038
164, 528	Cook, Horatio G., and Ezekiel W. Barker, Portland, Me. Screw-propeller	June 15, 1875	658	213	7	1038
164, 527	Cook, Isaac, assignor of one-third interest to Jacob R. Sprague, Saint Louis, Mo. Gas-burner	Aug. 10, 1875	465	143	8	273
164, 528	Cook, Isaac, assignor of one-half interest to Jacob R. Sprague, Saint Louis, Mo. Gas-burner	Sept. 28, 1875	814	258	8	544
166, 675	Cook, James, and William Fosket, Meriden, Conn.; said Fosket assignor to said Cook. Printing-press	Oct. 5, 1875	119	41	8	552
168, 232	Cook, James B., and James W. Heath, Memphis, Tenn. Construction of prisons	Oct. 19, 1875	627	205	8	670
168, 455	Same..... same	Oct. 19, 1875	627	205	8	670
168, 971	Same..... Alarm for prisons, &c	Oct. 19, 1875	542	178	8	657
168, 881	Cook, Jesse M., et al. (See Wright, Joseph C., assignor.)	June 29, 1875	1169	376	7	1122
165, 065	Cook, John, Harlem, Ohio. Windmill	June 1, 1875	113	38	7	946
163, 976	Cook, John F., assignor to George Page & Co., Baltimore, Md. Head-block	Mar. 30, 1875	1030	335	7	522
161, 328	Cook, Joseph C., New York, assignor to William H. Roe, Flushing, N. Y. Smoking-tube	Oct. 11, 1875	299	97	8	614
168, 618	Cook, Joseph H., assignor of one-half interest to John B. Moury, Mercer, Pa. Combined washing and wringing machine	Apr. 27, 1875	900	287	7	713
162, 532	Cook, Leeds A., Dansville, N. Y. Hanger for sliding doors	May 4, 1875	62	20	7	755
162, 807	Cook, Lyman A., et al. (See Young, Solomon W., assignor.) (Reissue.)	June 8, 1875	233	81	7	974
164, 077	Cook, Michael, West Leroy, Mich. Pump	May 11, 1875	406	130	7	807
164, 077	Cook, Oliver, Darien, Conn. Light-house lantern	Nov. 30, 1875	1316	416	8	941
163, 154	Cook, Peter, Detroit, Mich. Machine for cutting hoops	Dec. 14, 1875	420	139	8	1014
6, 768	Cook, Richard C. (See Eynon & Cook.)	Aug. 3, 1875	144	44	8	220
163, 154	Cook, Roswell F., Potsdam, N. Y. Ball-cartridge	Apr. 13, 1875	251	84	7	616
6, 768	Cook, Silas, Magnolia, assignor, by mesne assignments, to Automatic Boiler Feeder Company, Dubuque, Iowa. Automatic boiler-feeder	Apr. 13, 1875	254	85	7	617
171, 100	Cook, Silas, Magnolia, Iowa, assignor to Automatic Boiler Feeder Manufacturing Company, Saint Louis, Mo. Automatic boiler-feeder	Dec. 21, 1875	610	200	8	1047
166, 343	Cook, Thomas, London, England. Complex coupon railway-ticket	Apr. 20, 1875	523	172	7	658
161, 845	Cook, Thomas, Sing Sing, assignor to J. R. Dos Passos and Zachariah E. Simmons, New York, N. Y. Heater and drier	Nov. 2, 1875	180	60	8	759
161, 866	Same..... Machine for manufacturing blocks of artificial stone	Nov. 16, 1875	642	200	8	833
161, 847	Same..... Press for forming concrete paving and building blocks	Dec. 21, 1875	681	225	8	1056
171, 267	Cook, Thomas, New York, N. Y., assignor of one-half interest to James E. Nuttmann; said Cook and Nuttmann assignors to Union Ice Company. Ice-machine	Feb. 16, 1875	642	212	7	285
162, 155	Cook, Thomas S., Cleveland, Ohio. Roll for rounding and smoothing metallic rods and bars	Aug. 10, 1875	465	143	8	273
169, 523	Cook, William H., Meridian, Miss. Fertilizer-distributor	June 13, 1875	576	186	7	1027
163, 463	Cooke, Augustus. (See Hopkins & Cooke.)	Jan. 13, 1875	308	105	7	47
169, 961	Cooke, Augustus. (See Vander Waag, Johannes A., assignor.) (Reissue.)	Feb. 2, 1875	54	20	7	192
169, 961	Cooksey, William H., Washington, D. C. Dumping-wagon	May 18, 1875	703	224	7	863
171, 354	Cool, Keyes P., et al. (See Rhind, Frank, assignor.) Cooly, Orville, assignor to Johnston Harvester Company, Brockport, N. Y. Belt-tightener	May 18, 1875	617	197	7	851
159, 904	Coolidge, Edwin C., et al. (See Hill, Nathan H., assignor.)	July 6, 1875	149	45	8	29
166, 589	Coolidge, John K., et al. (See Hill, Nathan H., assignor.)	Aug. 17, 1875	495	151	8	286
164, 428	Coombe, John, San Jose, Cal. Eye-letting-machine	Sept. 14, 1875	249	77	8	418
158, 681	Coombs, John C., Boston, Mass. Shirt-bosom	Oct. 19, 1875	500	163	8	651
159, 304	Coon, James H., Des Moines, Iowa. Rotary cultivator	Feb. 16, 1875	642	212	7	285
158, 681	Coon, Philip, Canton, N. Y. Machine for tapering spokes	Aug. 10, 1875	465	143	8	273
159, 304	Cooney, John C., Chicago, Ill. Cast hook	June 13, 1875	576	186	7	1027
163, 362	Cooper, Arthur W., and John Satchle, Chicago, Ill. Pipe-coupling	Jan. 13, 1875	308	105	7	47
165, 308	Cooper, Charles B., Nashville, Tenn. Water-filter	Feb. 2, 1875	54	20	7	192
166, 625	Cooper, Charles E., et al. (See Cooper, William, assignor.)	May 18, 1875	617	197	7	851
167, 616	Cooper, David M., Georgetown, D. C. Stamp-canceller	July 6, 1875	149	45	8	29
163, 362	Cooper, Edward A., Lancaster, N. Y. Trace-carrier for harness	Aug. 17, 1875	495	151	8	286
163, 831	Cooper, Edward A., Lancaster, assignor of one-half interest to Josiah Letchworth and William P. Darling, Buffalo, N. Y. Carriage-step	Sept. 14, 1875	249	77	8	418
163, 831	Cooper, Edward A., Lancaster, assignor of one-half interest to Josiah Letchworth, Buffalo, N. Y. Vehicle-seat	Oct. 19, 1875	500	163	8	651

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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31, 153	Cooper, George, New Bedford, Mass. Needle..... (Extension)	Jan. 21, 1875	.....	.....	7	222
	Cooper, George, Thompsonville, Conn. Needle..... (Disclaimer filed)	Jan. 16, 1875	.....	.....	7	222
168, 377	Cooper, James C., et al. (See Cooper, William, assignor.)					
160, 307	Cooper, James F., Syracuse, Ohio. Combined knob, latch, and lock.....	Oct. 5, 1875	52	19	8	572
164, 674	Cooper, James F., and William W. Hiatt, Frankton, Ind. Hog-trap.....	Mar. 2, 1875	43	16	7	355
	Cooper, Jennett, San Francisco, Cal. Medical compound.....	June 22, 1875	797		7	1066
	Cooper, John. (See Helmes, Isaac V., assignor.)..... (Reissue.)					
	Cooper, Joseph B., et al. (See Rohrer, John B., assignor.)..... (Design.)					
	Cooper, Samuel, et al. (See Rohrer, John B., assignor.)..... (Design.)					
6, 700	Cooper, William, Ypsilanti, Mich. Chain-pump..... (Reissue.)	Oct. 19, 1875	725	239	8	682
160, 165	Same..... Steam-generator for cooking, &c.	Feb. 23, 1875	890	293	7	327
162, 033	Same..... Steam cooking and washing apparatus.....	Apr. 13, 1875	392	132	7	635
162, 034	Same..... Flat-iron heater.....	Apr. 13, 1875	393	133	7	635
167, 990	Cooper, William, assignor of two-thirds interest to Charles E. and James C. Cooper, Ypsilanti, Mich. Chain-pump bucket.....	Sept. 21, 1875	557	179	8	502
164, 909	Cope, Emnor B., West Chester, Pa. Water-wheel.....	June 29, 1875	1036	334	7	1104
170, 938	Cope, Ezra, and James R. Maxwell, Hamilton, Ohio. Steam-pumping engine.....	Dec. 14, 1875	267	89, 50	8	994
170, 939	Same..... Steam-valve.....	Dec. 14, 1875	270	90, 51	8	994
166, 915	Copeland, David, jr., Rochester, N. Y. Lawn-roller.....	Aug. 24, 1875	721	224	8	327
166, 916	Same..... Cement sewer-trap and mold therefor.....	Aug. 24, 1875	722	224	8	327
158, 682	Copeland, George W., Malden, Mass. Lasting boots and shoes.....	Jan. 12, 1875	309	105	7	67
158, 683	Copeland, Marcus D., assignor to Susan A. Copland, Providence, R. I. Bale-tie.....	Jan. 12, 1875	310	105	7	67
	Copeland, Susan A. (See Copeland, Marcus D., assignor.)					
8, 442	Copland, Thomas H., assignor to Onondaga Pottery Company, Geddes, N. Y. Dish of pottery-ware..... (Design.)	June 29, 1875	.....	.....	7	1098
164, 810	Corbett, Adolphe, Hicksville, N. Y. Incubator.....	June 22, 1875	925	299	7	1082
165, 547	Same..... Lance for propelling sleighs.....	July 13, 1875	411	123	8	73
167, 225	Corbett, Thomas M., and Henry Campbell, Milwaukee, Wis., said Campbell assignor to said Corbett, Governor for steam-engines.....	Aug. 31, 1875	1034	321	8	377
	Corbin, F., et al. (See Arnold, Stephen D., assignor.)					
	Same..... (See Manger, Wallace T., assignor.)					
166, 505	Corbin, Frank, assignor to P. and F. Corbin, New Britain, Conn. Lock for sliding doors	Aug. 10, 1875	319	96	8	252
	Corbin, P. and F. (See Corbin, Frank, assignor.)					
	Same..... (See Fracker, Francis T., assignor.)..... (Design.)					
	Corbin, P., et al. (See Arnold, Stephen D., assignor.)					
	Same..... (See Munger, Wallace T., assignor.)					
160, 395	Corcoran, Martin, et al. (See Ludwig, John C., assignor.)	Mar. 2, 1875	121	44	7	366
168, 378	Corcesman, Henry J., jr., assignor to James P. Alley, Cincinnati, Ohio. Saw-gummeer	Oct. 5, 1875	53	19	8	572
	Core, William T., Norfolk, Va. Extension-ladder.....					
163, 464	Coreth, Randolph, West Belleville, Ill. Plow-carriage.....	May 18, 1875	704	{ 221 225 }	7	863
160, 881	Corey, Aaron L., Ypsilanti, Mich. Chain-pump bucket.....	Mar. 16, 1875	592	192	7	447
159, 516	Corey, Alfred B., Providence, R. I. Steam-distributor for furnaces.....	Jan. 26, 1875	786	258	7	154
169, 524	Corey, Barney J., and Elijah Neff, Rochester, Ind. Vehicle-spring.....	Nov. 2, 1875	181	60	8	759
162, 456	Corey, George W., New York, N. Y. Curtain-fixture.....	Oct. 5, 1875	120	42	8	552
159, 019	Corey, James H., New York, N. Y. Steam-valve.....	Jan. 26, 1875	669	218	7	137
	Corey, John S. (See Holden & Corey)					
	Corey, Thomas, trustee. (See Dunbrack & Vesey, assignors)					
	Same..... (See Dunbrack, Charles S., assignor.)					
166, 853	Corfman, Levi, Findlay, Ohio. Medical composition.....	Aug. 17, 1875	648		8	308
163, 579	Corinan, Charles A., Wayland, Mass. Punching-machine.....	May 25, 1875	829	262	7	886
	Cornelius, Peter W. (See Wessar & Cornelius.)					
170, 992	Cornelius, Wilbur F., assignor of one-half interest to Philip F. Davis, Muncie, Ind. Windmill.....	Dec. 14, 1875	324	107	8	1001
	Cornell & Shelton. (See Shelton, Edward D., assignor.)					
	Cornell, George B. (See Connor, William O., assignor.)					
159, 305	Cornell, John B., New York, N. Y. Wrought-iron column.....	Feb. 2, 1875	55	20	7	192
159, 305	Same..... same..... (Disclaimer filed)	Apr. 8, 1875	.....	.....	7	565
160, 574	Same..... same.....	Mar. 9, 1875	297	101	7	400
160, 650	Same..... Elevated railway.....	Mar. 9, 1875	362	122	7	410
162, 999	Cornell, John B. and John M., New York, N. Y. Rolled-iron column.....	May 11, 1875	263	85	7	790
170, 993	Cornell, John D., Jersey City, N. J. Vibrating propeller.....	Dec. 14, 1875	325	108	8	1001
	Cornell, John M. (See Cornell, John B. and John M.)					
	Cornell, Lewis, et al. (See Downer, Phyleman A., assignor.)					
	Cornell, Sylvanus. (See McNabb, James, assignor.)					
	Cornell Watch Company. (See Bacon & Brown, assignors.)					
	Corning, Herberson, et al. (See Herrick, George, assignor.)					
	Corning, Nathaniel, et al. (See Robbins, Joseph A., assignor.)					
169, 150	Cornish, Harry B., Rivor Falls, Wis. Bang and vent.....	Oct. 26, 1875	817	265	8	703
159, 393	Cornish, John A., Marshfield, Mo. Meat-tenderer.....	Feb. 2, 1875	135	47	7	203
	Cornwell, George W. (See Hubbell, Thomas J., assignor.)					
	Corrigan, Philip. (See Albertson, Albert, assignor.)					
165, 211	Corris, William, Rochester, N. Y. Wheel for vehicles.....	July 6, 1875	67	19	8	18
159, 900	Corruthers, Henry, Boston, Mass. Self-closing hopper-cock.....	Feb. 16, 1875	638	211	7	254
164, 974	Corsa, William P., Milford, Del. Drier and baker.....	June 29, 1875	1091	352	7	1111
	Corse, Albert C. (See Fagan, Michel G., assignor.)					
170, 821	Corse, Albert C., Troy, N. Y. Ash-sifting attachment.....	Dec. 7, 1875	150	50	8	970
163, 155	Corse, Albert C., and Michel G. Fagan, Troy, N. Y. Reservoir cooking-stove.....	May 11, 1875	407	{ 130 131 }	7	807
163, 156	Same..... same.....	May 11, 1875	408	{ 131 132 }	7	808
163, 157	Same..... same.....	May 11, 1875	409	{ 132 133 }	7	808
163, 158	Same..... same.....	May 11, 1875	410	{ 133 134 }	7	809
159, 645	Corse, Samuel, New York, N. Y. Car-starter.....	Feb. 9, 1875	377	125	7	245
165, 309	Same..... same.....	July 6, 1875	150	46	8	29
166, 750	Corson, John, Washington, D. C. Railway-rail-joint fastening.....	Aug. 17, 1875	556	170	8	295
168, 619	Cortis, Aaron J., San Francisco, Cal. Fare-box.....	Oct. 11, 1875	300	97, 98	8	614
166, 262	Corwin, Walter E., New York, N. Y. Imitation quilted fabric.....	Aug. 3, 1875	70	22	8	209
	Corwine, Quinton. (See Rowe, William H., assignor.)					
165, 984	Cosbey, Thomas, Mormon Mills, Tex. Wedge for splitting rock, &c.....	July 27, 1875	851	262	8	161
158, 913	Cosby, Oscar G., and George W. McGovern, Richmond, Va. Invalid-bedstead.....	Jan. 19, 1875	543	180	7	114
158, 684	Cosgrove, William N., Faribault, Minn. Dish-washer.....	Jan. 12, 1875	311	106	7	68

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160, 651	Cost, John P., assignor to Miller Brothers, Bellefontaine, Ohio. Shifting-seat for carriages.	Mar. 9, 1875	364	{ 122 123 }	7	410
	Costello, John. (See Clayton, Ransom F., assignor.)					
167, 226	Coston, William M., Quitman, Mo. Cultivator-frame.	Aug. 31, 1875	1035	321	8	377
167, 306	Coté, Louis, St. Hyacinthe, Canada. Machine for fitting counters to lasts.	Aug. 31, 1875	1101	346	8	388
6, 654	Cottingham, Gideon W., Rockport, Tex., assignor, by mesne assignments, to Cottingham Ironing Machine Company. Ironing apparatus. (Reissue.)	Sept. 21, 1875	666	211	8	516
167, 389	Cottingham, Gideon W., assignor to self and James P. Cottingham, Rockport, Tex. Sad-iron heater.	Sept. 7, 1875	9	3	8	408
	Cottingham Ironing Machine Company. (See Cottingham, Gideon W., assignor.) (Reissue.)					
	Cottingham, James P. (See Cottingham, Gideon W., assignor.)					
8, 871	Cottle, Shubael, New York, N. Y. Bead for necklaces. (Design.)	Dec. 28, 1875			8	1076
152, 914	Cottle, Shubael, assignor to Mulford, Hale & Cottle, New York, N. Y. Die for making hollow rings.	Jan. 19, 1875	543	180	7	114
152, 833	Cotton, James B., Dayton, Ohio. Door-spring.	Jan. 19, 1875	465	156	7	104
	Cottrell & Taylor. (See Cottrell, Herbert, assignor)					
	Cottrell, Calvert B., et al. (See Firm, Joseph L., assignor.)					
	Same. (Reissue.)					
167, 227	Cottrell, Calvert B., Westerly, R. I. Printing-press.	Aug. 31, 1875	1036	{ 321 322 }	8	378
170, 061	Same. Sheet-delivery mechanism for printing-presses.	Nov. 16, 1875	730	232	8	845
170, 713	Cottrell, Herbert, Newark, N. J. Press for molding artificial fuel.	Dec. 7, 1875	55	17	8	958
161, 207	Cottrell, Herbert, assignor to Cottrell & Taylor, Newark, N. J. Rotary engine.	Mar. 23, 1875	690	292	7	496
171, 355	Cottrell, Isaac B., Bridgeville, Del. Drier.	Dec. 21, 1875	685	226	8	1057
159, 690	Couch, Samuel W., Cold Spring, N. Y. Window-ventilator.	Feb. 16, 1875	546	182	7	272
170, 714	Couch, William A., Hannibal, Mo. Fence.	Dec. 7, 1875	56	17	8	958
163, 917	Coughlin, Joseph E., San Francisco, Cal. Heater and condenser.	June 1, 1875	65	22	7	939
	Conlston, Thomas D. (See Sparks, William H., assignor.)					
158, 915	Coulter, Andrew, Riga, Russia. Car-coupling.	Jan. 19, 1875	544	181	7	114
161, 484	Coulthard, John, Brooklyn, N. Y. Seasoning-cup.	Mar. 30, 1875	1179	378	7	540
168, 457	Combe, John, Rhinebeck, N. Y. Photograph-brush.	Oct. 5, 1875	121	42	8	552
165, 212	Coupe, William, South Attleborough, Mass. Machinery for raising and transferring hides from vats.	July 6, 1875	68	19	8	18
	Coursolles, Toussaint G. (See Beaudry, Joseph, assignor.)					
167, 503	Courville, Herrenstein, New York, N. Y., assignor, by mesne assignments, to Triumph Safety-Powder Company, Baltimore, Md. Manufacture of gunpowder.	Sept. 7, 1875	105		8	421
163, 580	Covel, Benjamin F., Robert L. Chace, and J. Myron Weaver, Fall River, Mass. Extensible fire-ladder.	May 25, 1875	830	{ 262 263 }	7	826
169, 423	Covel, Edward H., New York, N. Y. Process and apparatus for enriching gas or air with a definite and regulated percentage of hydrocarbon vapor.	Nov. 2, 1875	93	29	8	747
6, 754	Covel, E. Hall, administrator. (See Covel, William H., assignor.) (Reissue.)					
	Covel, William H., deceased, E. Hall Covel, administrator, and assignor to Jonathan Austin, New York, N. Y. Automatic feed and absorption carbureter. (Reissue.)	Nov. 23, 1875	1091	343	8	902
168, 620	Covell, Edgar C., and Mark M. Robinson, Laconia, N. H. Lock-work attachment for clocks.	Oct. 11, 1875	301	98	8	615
162, 902	Covell, Edward T., New Bedford, Mass. Paper can.	May 4, 1875	151	49	7	767
167, 504	Same. Metallic vessel.	Sept. 7, 1875	106	32	8	421
161, 935	Covell, Frank M., Los Gatos, Cal. Circular-saw mill.	Apr. 13, 1875	318	106	7	625
161, 757	Covert, James C., Troy, N. Y. Clasp or thimble for hitching-devices.	Apr. 6, 1875	144	50	7	589
	Covington, Nat., et al. (See Welter, James K., assignor.)					
	Covington, William J. (See Wade, Seaton H., assignor.)					
	Cowdery, J. S., et al. (See Fuchs, Charles H., assignor.)					
	Cowdery, M. F., et al. (See Fuchs, Charles H., assignor.)					
165, 213	Cowell, Charles G., Plainfield, Ill. Axle-protector.	July 6, 1875	70	20	8	18
	Cowell, John J., et al. (See Adams, George B., assignor.)					
169, 624	Cowell, Rensselaer A., Cleveland, Ohio. Car-coupling.	Nov. 9, 1875	299	97	8	782
167, 437	Cowie, George. (See Ramus, Charles E., assignor.)					
	Cowl, Joseph H., Newark, Ohio. Fruit-jar.	Sept. 7, 1875	52	16	8	413
	Cowles & Co., C. (See Gates, William, assignor.)					
165, 548	Cowles, Alfred A., New York, N. Y. Calendar-clock.	July 13, 1875	411	124	8	73
	Cowles, Harley D., et al. (See Stacy, George, assignor.)					
164, 638	Cowles, Irving C., Syracuse, N. Y. Screw-driver.	June 22, 1875	765	251	7	1062
167, 745	Cowles, Martin, Unionville, Conn. Ice-pick.	Sept. 14, 1875	332	106	8	460
	Cowles, William W., et al. (See Fisher, Simcon L., assignor.)					
	Cowman, Charles H., et al. (See Carrick, Thomas J., assignor.)					
163, 977	Cowman, John, and Samuel B. Barber, Rochester, N. Y. Manufacture of artificial marble.	June 1, 1875	113		7	947
	Cowper, Edward A. (See Cochrane & Cowper.)					
164, 148	Cox, Burton C., Cooper Hill, Mo. Sulky-cultivator.	June 8, 1875	292	100	7	982
167, 307	Cox, Charles H., assignor of one-half interest to Josiah I. Martin, Richmond, Va. Car-truck.	Aug. 31, 1875	1102	347	8	388
130, 905	Cox, Cumberland G., Richmond, Va. Plow.	Feb. 16, 1875	644	213	7	255
171, 214	Cox, Daniel, assignor of one-half interest to A. E. McCray, Kingston, Mo. Bee-hive.	Dec. 21, 1875	560	184	8	1040
	Cox, George P. (See Badger, George W., assignor.)					
165, 600	Cox, Joseph, and George E. Hopkins, assignors to Cox, Whiteman & Cox, Philadelphia, Pa. Portable range.	July 20, 1875	529	162	8	105
160, 166	Cox, Seth, Oskaloosa, Iowa. Gate for railway-crossings.	Feb. 23, 1875	891	293	7	327
	Cox, Whiteman & Cox. (See Cox & Hopkins, assignors.)					
8, 276	Coxon, Jonathan, assignor to Greenwood Pottery Company, Trenton, N. J. Dish of pottery-ware. (Design.)	Apr. 20, 1875			7	651
158, 784	Coy, Franklin D., Marseilles, Ill., assignor to H. A. Pitts' Sons Manufacturing Company. Mounted horse-power.	Jan. 19, 1875	418	140	7	98
159, 249	Coyle, Charles J., Chicago, Ill. Shirt.	Feb. 2, 1875	8	3	7	126
162, 927	Coyle, Henry G., assignor of one-half interest to Charles H. Shaw, West Meriden, Conn. Solution for electroplating.	Apr. 27, 1875	975		7	723
159, 082	Coyne, John, Pittsburgh, assignor to self and Robert Chessman, Etna, Pa. Nail-sorting machine.	Jan. 26, 1875	723	239	7	145
	Cozzens, Samuel W., et al. (See Gue, Albert F., assignor.) (Reissue.)					
	Cozzens, William F. (See Young, John A., assignor.)					
171, 551	Crabtree, Abraham, Bacup, Great Britain. Middlings-purifier.	Dec. 28, 1875	883	259	8	1092
170, 526	Crabtree, John, and William H. Melcher, assignors to selves and William Crabtree, Philadelphia, Pa. Brick-machine.	Nov. 30, 1875	1194	377	8	925
	Crabtree, William. (See Crabtree & Melcher, assignors.)					
161, 339	Craig, Charles H., assignor to Edmund S. Sparrow, Quincy, Mass. Shutter and blind fastening.	Mar. 30, 1875	1030	335	7	522

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	Craig, David D. (See Cloud & Craig.)					
158, 574	Craig, Isaac S., Somerville, Mass. Button-hole-cutting attachment for sewing-machines.	Jan. 12, 1875	211	72	7	54
168, 142	Craig, James A., Philadelphia, Pa. Roofing-compound.	Sept. 28, 1875	740		8	534
170, 470	Craig, Lee D., Oakland, assignor of one-half interest to Charles Miller, San Francisco, Cal. Chair-latching.	Nov. 30, 1875	1145	361	8	918
162, 221	Craig, Pascal L., East Troy, assignor of one-half interest to Henry C. Stratton, Coldwell's Prairie, Wis. Hay-leader.	Apr. 20, 1875	583	191	7	666
	Craig, S. H., et al. (See Smith, Albert C., assignor.)					
169, 151	Craig, William E., Indianapolis, Ind. Making patterns for casting.	Oct. 26, 1875	818	265	8	703
	Crain, William. (See Ruth & Crain.)					
171, 268	Crall, Egbert L., Athens, Ohio. Device for teaching drawing.	Dec. 21, 1875	612	200	8	1047
	Cram, Alonzo W. (See Chase & Cram.)					
161, 485	Cram, Alonzo W., Haverhill, Mass. Grate-bar.	Mar. 30, 1875	1180	379	7	541
161, 758	Same. same.	Apr. 6, 1875	144	50	7	590
162, 035	Cram, Alonzo W., Litchfield, assignor of one-half interest to Henry O. Goodrich, Jerseyville, Ill. Clutch-mechanism for operating treadles.	Apr. 13, 1875	304	133	7	635
	Cramer, Joel B. (See Brown & Cramer.)					
162, 036	Cramer, Leonard L. (See Everson & Cramer.)	Apr. 13, 1875	395	133	7	635
163, 918	Cramer, Reuben, Pittsburgh, Pa. Nut-lock.	June 1, 1875	66	22	7	939
	Cramer, Elias, New Philadelphia, Ohio. Pot-scraper.					
164, 906	Cramme, William V. T. (See Dombler, John W. H., assignor.)	June 29, 1875	1033	333	7	1104
170, 527	Crammer, Friedrich, New York, N. Y. Washing-machine for brewers' use.	Nov. 30, 1875	1196	377	8	925
164, 813	Crammer, Christopher, Turner's Falls, Mass. Expandable tool for cutting holes of different sizes.	June 23, 1875	927	300	7	1083
	Crandall, Edward M., Chicago, Ill. Can vent and stopple.					
	Crandall & Co., C. M. (See Crandall, Charles M., assignor.) (Reissue.)					
6, 356	Crandall & Co., C. M. (See White, Joseph J., assignor.)	Mar. 30, 1875	1284	{ 412 413 }	{ 7 7 }	{ 555 555 }
	Crandall, Charles M., assignor to C. M. Crandall & Co., Montrose, Pa. Toy block... (Re-issue)					
6, 409	Same. Toy building-block. (Reissue.)	May 4, 1875	243	78	7	779
160, 575	Crandall, Jesse A., Brooklyn, N. Y. Velocipede.	Mar. 9, 1875	298	101	7	400
161, 759	Crandall, Jesse A., New York, N. Y. Child's combined rocker, seesaw, and chair.	Apr. 6, 1875	145	51	7	590
166, 344	Crandall, Jesse A., assignor to self and Sylvanus White, Brooklyn, N. Y. Castanet.	Aug. 3, 1875	145	45	8	220
167, 323	Same. Croquet apparatus.	Oct. 5, 1875	8	3	8	365
168, 458	Crandall, Jesse A., Brooklyn, N. Y. Child's carriage.	Oct. 5, 1875	122	42	8	552
169, 625	Crandall, Jesse A., assignor to self and Sylvanus White, Brooklyn, N. Y. Skipping apparatus.	Nov. 9, 1875	301	97	8	782
161, 669	Crandall, John J., Philadelphia, Pa. Book-case.	Apr. 6, 1875	71	25	7	579
	Crandall, John N. (See Fuller, Jim B., assignor.)					
168, 143	Crandall, Lucien S., New York, N. Y. Automatic telegraph-key.	Sept. 28, 1875	749	233	8	534
168, 144	Same. same.	Sept. 28, 1875	741	234	8	534
170, 230	Same. Type-writing machine.	Nov. 23, 1875	922	287	8	878
	Crane, Abram E. (See Crane, John and Abram E.)					
	Crane, Breed & Co. (See Crane, Martin H., assignor.)					
	Same. same. (Design.)					
	Same. (See Heergeist, Charles, assignor.)					
	Crane, C. S. (See Eggleston & Phelps, assignors.)					
	Crane, Charles W. (See Crane, John H. and Charles W.)					
160, 576	Crane, Donald, Knight's Landing, Cal. Grain and straw lifter.	Mar. 9, 1875	289	101	7	400
167, 828	Crane, Francis E. S., assignor of one-half interest to Edwin D. Parkhurst, Newark, N. J. Bolt.	Sept. 21, 1875	427	136	8	482
	Crane, Franklin M. (See Marsh & Crane.)					
162, 903	Crane, John and Abram E., Canistota, N. Y. Car-coupling.	May 4, 1875	152	49	7	767
161, 868	Crane, John E., Lowell, Mass. Beater for cotton-openers.	Apr. 13, 1875	258	86	7	617
165, 066	Same. same.	June 29, 1875	1170	{ 276 377 }	{ 7 7 }	{ 1122 1122 }
168, 324	Same. Cotton-opener.	Oct. 5, 1875	9	3	8	566
161, 760	Crane, John H. and Charles W., Boston, Mass. Process for ornamenting surfaces of glass, &c.	Apr. 6, 1875	146		7	590
162, 275	Crane, Jonas H., Schenectady, N. Y. Door-latch.	Apr. 20, 1875	635	207	7	672
165, 476	Crane, Lucius H., and Albert A. Miner, Brattleborough, Vt. Trileaf scales.	July 13, 1875	348	102	8	63
8, 395	Crane, Martin H., assignor to Crane, Breed & Co., Cincinnati, Ohio. Coffin-handle. (Case B. Design.)	June 15, 1875			7	1014
164, 812	Same. same.	June 22, 1875	927	300	7	1083
	Crane, Moses G. (See Gamewell, Crane & Rogers.)					
165, 918	Crane, Moses G., Newton, Mass. Signal-box for fire-alarm telegraphs.	July 27, 1875	784	241	8	153
171, 603	Crane, Robert, jr., Columbia, Pa. Potato-masher.	Dec. 28, 1875	932	305	8	1099
	Crane, Thomas S. (See Hooper & Crane.)					
160, 259	Crane, Thomas S., assignor of two-thirds interest to Charles M. Bolen and Fred. K. Day, Newark, N. J. Belt-shifter.	Mar. 2, 1875	5	3	7	349
	Cranford, John P. (See Abbott & Cranford.)					
6, 511	Cranford, John P., Brooklyn, N. Y., assignor, by mesne assignments, to self and Nathan B. Abbott. Composition pavement. (Reissue.)	June 29, 1875	1242	399	7	1132
170, 435	Cranston, Samuel F., Lansingburgh, assignor to John P. Adriance, Poughkeepsie, N. Y. Harvester-rake.	Nov. 30, 1875	1112	350	8	913
170, 822	Craty, John S., Washington, D. C. Baggage-seal.	Dec. 7, 1875	151	50	8	971
161, 208	Craty, John W., Philadelphia, Pa. Hot-air furnace.	Mar. 23, 1875	891	292	7	496
	Crawford, Benjamin, deceased, by Mary Crawford, administratrix, Pittsburgh, Pa. Pyrometer.	Mar. 30, 1875	1031	335	7	522
168, 723	Crawford, Eliphalet B., Sioux City, Iowa. Horse-collar.	Oct. 11, 1875	390	128	8	628
161, 594	Crawford, James G., Boston, Mass. Ironing-apparatus.	Apr. 6, 1875	6	2	7	569
170, 063	Crawford, John C., Fayette, Iowa. Wagon-jack.	Nov. 16, 1875	732	212	8	846
158, 685	Crawford, John J., Nashua, N. H. Screw-press.	Jan. 12, 1875	312	106	7	67
167, 565	Crawford, John J., San Francisco, Cal. Joint for hydraulic nozzles.	Sept. 7, 1875	107	34	8	422
163, 363	Crawford, John M., Philadelphia, Pa. Distributor for hydraulic pipes.	May 18, 1875	618	197	7	851
158, 686	Crawford, John T., Pontiac, Mich. Window-conservatory.	Jan. 12, 1875	313	106	7	68
165, 796	Crawford, Joseph F., Cazenovia, N. Y. Butter-pail.	July 20, 1875	653	200	8	123
	Crawford, Mary, administratrix. (See Crawford, Benjamin.)					
6, 546	Crawford, Peter S., Union, Ill. Device for tightening wire fences. (Reissue.)	July 20, 1875	766	234	8	138
166, 263	Crawford, Peter S., Woodstock, Ill. Folding table.	Aug. 3, 1875	71	22	8	209
159, 394	Crawford, Witusus A., Terre Haute, Ind. Apparatus for controlling way-cocks of water-pipes by electricity.	Feb. 2, 1875	135	47	7	203
166, 345	Crawshaw, Joseph, jr., Saint Louis, Mo. Show-rack for carpets.	Aug. 3, 1875	146	45	8	220
168, 325	Crea, James E., Allegheny, Pa. Grate.	Oct. 5, 1875	10	3	8	366
165, 477	Creal, Henry C., Cheyenne City, Wyo. Smelting-furnace.	July 13, 1875	349	102	8	63



Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Di'cs	Vol.	Page.
158, 472	Creamer, Horatio M., Brooklyn, N. Y. Grate-frame	Jan. 5, 1875	108	36	7	24
165, 797	Creamer, Horatio M., Boston, Mass. Ceiling register and ventilator	July 20, 1875	653	201	8	123
164, 636	Creamer, William G., Brooklyn, N. Y. Side-wall ventilator	June 23, 1875	764	251	7	1062
166, 071	Crease, Orlando. (See Hoald, Alfred, assignor) (Design.)	July 27, 1875	929	287	8	172
166, 590	Creelius, Louis J., Saint Louis, Mo. Sewing-machine	Aug. 10, 1875	388	120	8	262
166, 751	Creeger, Christopher C., Tiffin, Ohio. Rock-drilling machine	Aug. 17, 1875	556	171	8	295
164, 149	Creekmore, Hiram C., and John W. McMillin, Salado, Tex. Corn-sheller	June 8, 1875	293	{ 100 } { 101 }	7	982
163, 000	Creighton, James R. (See Campbell & Creighton.)	May 11, 1875	263	85	7	790
165, 214	Crenshaw, Thomas C., Lexington, assignor of one-half interest to Cotton H. Allen, Saint Louis, Mo. Breast-strap slide	July 6, 1875	70	20	8	18
158, 403	Crenshaw, William T., and Robert J. Carothers, Burton, Tex. Cotton-press	Jan. 5, 1875	45	16	7	15
165, 067	Creps, Henry T. (See Lowman & Creps.)	June 29, 1875	1171	377	7	1122
164, 907	Cresap, Alexander H., jr., Trenton, Tenn. Harness-hame	June 29, 1875	1034	333	7	1104
161, 486	Cresson, Charles M., assignor to Robert P. Dechert, trustee, Philadelphia, Pa. Process for separating fats	June 29, 1875	1181	379	7	541
163, 001	Cresson, George V. (See Charlton, John, assignor.)	Mar. 30, 1875	1181	379	7	541
162, 803	Creuzbauer, Robert, Williamsburgh, N. Y. Direct-acting reciprocating engine	Mar. 30, 1875	1181	379	7	541
8, 265	Cridge, Edmund J. (See Wells & Cridge) (Design.)	May 11, 1875	265	86	7	790
8, 266	Criehfield, Aylett R., Lincoln, Ill. Crank and lever	May 11, 1875	265	86	7	790
8, 267	Crikelair, Gustave J., Green Bay, Wis. Bottle-stopper	May 4, 1875	62	20	7	755
8, 268	Crisand, Emil, assignor to Henry St. John, New Haven, Conn. Embroidery-pattern. (Case R. Design.)	Apr. 13, 1875			7	610
8, 318	Same same (Case S. Design.)	Apr. 13, 1875			7	610
8, 319	Same same (Case T. Design.)	Apr. 13, 1875			7	610
8, 320	Same same (Case U. Design.)	Apr. 13, 1875			7	610
8, 411	Same same (Case AA. Design.)	May 11, 1875			7	782
8, 412	Same same (Case BB. Design.)	May 11, 1875			7	782
8, 461	Same same (Case CC. Design.)	May 11, 1875			7	782
8, 572	Same same (Case DD. Design.)	June 22, 1875			7	1056
8, 573	Same same (Case EE. Design.)	June 22, 1875			7	1056
8, 705	Same same (Case FF. Design.)	July 6, 1875			8	322
8, 795	Same same (Case GG. Design.)	Aug. 24, 1875			8	322
8, 828	Same same (Case HH. Design.)	Aug. 24, 1875			8	322
165, 068	Same same (Case II. Design.)	Oct. 5, 1875			8	561
170, 538	Same same (Case JJ. Design.)	Nov. 16, 1875			8	819
162, 276	Same same (Case LL. Design.)	Dec. 7, 1875			8	945
164, 429	Same same (Case KK. Design.)	Dec. 7, 1875			8	945
170, 471	Critchlow, Thomas, and James Kidd, Baldwin, Pa. Apparatus for casting steel	June 29, 1875	1172	377	7	1122
159, 801	Crittenden, Louis S., Angelica, N. Y. Combined horse-blanket and fly-net	Nov. 30, 1875	1197	378	8	925
163, 050	Crittenden, Simcon, and James Waters, Chatfield, Minn. Middlings-purifier	Apr. 20, 1875	635	207	7	672
169, 089	Crittenden, William A. (See Card, Daniel O., assignor) (Reissue.)	June 15, 1875	577	187	7	1028
160, 396	Crittenton, Charles N. (See Chincock, Charles, assignor) (Reissue.)	June 15, 1875	577	187	7	1028
166, 506	Crocker, Frederick H., Gonic, N. H. Stopping mechanism for spinning-jacks	June 15, 1875	577	187	7	1028
159, 801	Crocker, Josiah M. (See Raudall, William, assignor) (Reissue.)	Nov. 30, 1875	1145	361	8	918
163, 050	Crocker, Samuel E., assignor to self and Sherburne S. Dow, Fitchburgh, Mass. Pulp-strainer	Nov. 30, 1875	1145	361	8	918
160, 396	Crocker, Samuel L., Taunton, Mass. Refining copper, &c	Feb. 16, 1875	547		7	272
166, 506	Crocker, William O., Turner's Falls, Mass. Hot-air furnace	May 11, 1875	311	100	7	795
160, 396	Crockett, Samuel J., assignor to George T. McLaughlin and Thomas F. Scanlan, Boston, Mass. Octave-coupler for organs	Oct. 26, 1875	764	248	8	695
166, 506	Crofoot, Leonard, Pavilion, N. Y. Bag-holder	Mar. 2, 1875	121	44	7	366
167, 746	Croft, Charles, assignor of one-half interest to Matthew Buckley and William H. Croft, Weston, Conn. Weeding implement	Aug. 10, 1875	319	96	8	252
169, 677	Croft, Philo S. (See Lyons, John, assignor)	Sept. 14, 1875	333	107	8	460
171, 470	Croft, William H., et al. (See Croft, Charles, assignor.)	Sept. 14, 1875	333	107	8	460
169, 677	Croke, William H., assignor of two-thirds interest to Theodore W. Hagaman, Philadelphia, Pa. Machine for forming bat-bodies	Nov. 9, 1875	354	112	8	789
169, 677	Croll, George, Tontogany, Ohio. Combined cultivator and harrow	Dec. 23, 1875	805	265	8	1081
161, 487	Crombie, Alexander, Wilmington, Ill. Mining-machine	Dec. 23, 1875	805	265	8	1081
161, 488	Crompton, George. (See Bullough, James.)	Mar. 2, 1875	928	78	7	382
161, 505	Same (See Parsons, Henry, assignor) (Reissue.)	Mar. 2, 1875	928	78	7	382
162, 904	Same (See Pike, Edwin S., assignor.) (Reissue.)	May 25, 1875	1051	333	7	916
158, 362	Same (See Wyman, Horace, assignor.) (Reissue.)	Mar. 30, 1875	1185	{ 380 } { 381 }	7	541
168, 233	Crompton, George, and Horace Wyman, Worcester, Mass. Shedding and pattern mechanism for looms	Mar. 30, 1875	1185	381	7	541
168, 233	Same (See Crook, John and James A.)	Apr. 6, 1875	7	3	7	570
6, 798	Same (See Van De Water, James H., assignor.)	May 4, 1875	153	50	7	767
168, 233	Crompton, George, and Horace Wyman, Worcester, Mass. Shedding and pattern mechanism for looms	Jan. 5, 1875	11	4	7	10
6, 798	Same (See Crook, John and James A.)	Sept. 28, 1875	815	259	8	545
158, 404	Cronin, Martiu, Washington, D. C. Fireman's ladder	Dec. 14, 1875	538	177	8	1029
165, 069	Crook, Charles, Newhope, Pa., assignor, by mesne assignments, to James I. Hendryx, Harvester	Dec. 14, 1875	538	177	8	1029
159, 157	Crook, James A. (See Crook, John and James A.)	Jan. 5, 1875	46	16	7	15
160, 167	Crook, John and James A., Angusta, Ohio. Saw-sharpener	Jan. 5, 1875	46	16	7	15
164, 908	Crooker, George A. (See Van De Water, James H., assignor.)	Jan. 5, 1875	46	16	7	15
170, 994	Crosby, Abel A. (See Gilzinger, Sebastian, assignor.)	June 29, 1875	1173	377	7	1122
161, 091	Crosby, Channcey O., assignor to Leonard Winship and Samuel E. Barney, New Haven, Conn. Bistle	Jan. 26, 1875	787	258	7	154
161, 091	Same same	Feb. 23, 1875	892	294	7	327
161, 091	Crosby, George H., Somerville, Mass. Safety-valve	Feb. 23, 1875	892	294	7	327
161, 091	Crosby, George H., East Somerville, and Albert C. Meady, Charlestown, Mass. Gage-dial	June 29, 1875	1035	334	7	1104
161, 091	Crosby, Giles H., Rome, Ohio. Carriage-wheel	Dec. 14, 1875	326	108	8	1001
6, 790	Crosby, John A., Lawrence, Mass. Weaver's shuttle	Mar. 23, 1875	800	262	7	484
171, 552	Crosby, Josiah, deceased, assignor, by mesne assignments, to Whittier Machine Company, Boston, Mass. Invalid-bedstead	Dec. 7, 1875	258	86	8	984
161, 430	Crosby, Lewis M., Ashtabula, Ohio. Wash-board	Dec. 23, 1875	884	289	8	1092
161, 430	Cross, Alonzo T., Providence, R. I. Magic pencil-case	June 15, 1875	577	187	7	1028

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. gr.	Vol.	Page.
159, 749	Cross, Christopher G., Chicago, Ill. Wood-boring machine.....	Feb. 16, 1875	497	166	7	266
	Cross, Ira. (See Wilder, Elihu, assignor.)					
	Cross, Jesse B. (See Cushman, Henry S., assignor.)					
168, 724	Cross, John R., New York, N. Y. Brick-machine.....	Oct. 11, 1875	391	128	8	628
170, 964	Cross, Laroy W. (See Harper & Cross.)					
171, 269	Cross, William C., Boston, Mass. Lamp-extinguisher.....	Nov. 16, 1875	735	233	8	846
189, 962	Same..... Lamp-filler.....	Dec. 21, 1875	613	260	8	1047
161, 761	Cross, William R. P., Portland, Me. Plate-rack.....	Nov. 16, 1875	643	301	8	833
166, 752	Crosscup, George W., Philadelphia, Pa. Ruler.....	Apr. 6, 1875	147	51	7	590
	Crosssett, Truman, San Francisco, Cal. Dental plugger.....	Aug. 17, 1875	357	171	8	295
	Crossley, H. A., et al. (See Shawk, George W., assignor.)					
159, 907	Crossley, Thomas, and Levi A. Bertolotte, Wilmington, Del. Unloading attachment for carts, &c.....	Feb. 16, 1875	645	213	7	285
	Crossman, Montgomery. (See Spicer, Pratt A., assignor.)					
170, 063	Crossman, Montgomery, assignor of one-half interest to Pratt A. Spicer, Marshall, Mich. Windmill.....	Nov. 16, 1875	732	332 243	8	846
170, 427	Same..... Device for converting motion.....	Nov. 23, 1875	1088	333	8	902
161, 670	Crosswell, Herbert E., Providence, R. I. Life-preserving stool.....	Apr. 6, 1875	72	26	7	579
8, 655	Crôteau, Caudido W., Philadelphia, Pa. Toy money-bank..... (Design).....	Sept. 21, 1875			8	475
159, 564	Crother, Edwin, and Michael Bergerson, Hackensack, N. J. Velocipede.....	Feb. 9, 1875	317	103	7	235
160, 168	Crouch, George, New York, N. Y. Corner-cap for valises, &c.....	Feb. 23, 1875	893	294	7	327
	Crouse, John C. (See Hackett & Crouse.)					
159, 906	Crouse, L. L. (See Endres, John J., assignor.)					
169, 961	Crow, William J., New York, N. Y., assignor of one-half interest to Joseph MacDonald, New York, N. Y. Water-closet.....	Feb. 16, 1875	614	213	7	285
169, 960	Crowell, Ezra, Belfast, N. Y. Clothes-pounder.....	Nov. 16, 1875	644	201	8	833
160, 882	Crowell, Hilien C., assignor of two-thirds interest to Frederich Jarecki, Erie, Pa. Lawn-mower.....	Mar. 16, 1875	592	193	7	447
169, 626	Crowell, Solomon, Courtland, N. Y. Coffee-pot.....	Nov. 9, 1875	301	97	8	783
	Crowell, W. H., et al. (See Shawk, George W., assignor.)					
162, 461	Crowl, George, New Lisbon, Ohio. Metallic roofing..... (Reissue.)	Apr. 27, 1875	836	269	7	705
167, 672	Crowley, George G., Somerville, N. Y. Clothes-frame.....	Aug. 24, 1875	870	271	8	348
166, 594	Crowley, John B., and Addis E. Chamberlain, Cincinnati, Ohio. Cooking-stove.....	Aug. 10, 1875	392	121	8	263
	Crowson, William L. (See McCauley & Crowson.)					
165, 478	Crowthier, William H., Boston, Mass. Ticket-case.....	July 13, 1875	349	102	8	63
165, 479	Crowthier, William H., and Thomas Collins, Boston, Mass. Fruit-case.....	July 13, 1875	351	103	8	63
160, 308	Crowthiers, Joseph B., Monongahela City, and William R. Wilkins, Pike Run, Pa. Drop-chute reverser.....	Mar. 2, 1875	45	17	7	355
	Croxton, James C. (See Seeber & Croxton.)					
160, 169	Croy, David M. (See Croy, William D. and David M.)					
	Croy, William D., and David M., Blacksburgh, assignors of one-third interest to William H. Coffman, Dayton, Va. Washing-machine.....	Feb. 23, 1875	893	294	7	327
	Crudden, Samuel. (See Barden & Crudden.)					
168, 145	Cruikshank, Harry, Cecilton, Md. Saddle-tree.....	Sept. 28, 1875	742	234	8	524
164, 814	Crum, Charles L., Winchester, Va. Paper-machine.....	June 22, 1875	928	300	7	1053
158, 916	Crombie, Alexander, Nyack, and David Donald, Brooklyn, N. Y. Baker's oven.....	Jan. 19, 1875	545	181	7	114
161, 489	Same..... Furnace of baker's oven.....	Mar. 30, 1875	1189	381	7	541
162, 128	Crumbling, Tobias, East Prospect, Pa. Washing-machine.....	Apr. 27, 1875	976	314	7	723
158, 687	Crump, Shadrick H., Reading, Pa. Refrigerator.....	Jan. 12, 1875	313	106	7	468
	Cuan, Hippolyte. (See Vabe & Cuan.)					
	Cubley, Edwin J. (See Gorham & Cubley.)					
159, 802	Culbertson, Andrew J., San Andreas, Cal. Car-spring.....	Feb. 16, 1875	548	182	7	272
165, 714	Same..... Fire escape.....	July 20, 1875	577	176	8	112
158, 917	Culbertson, William C., Girard, Pa. Sheer-boom.....	Jan. 19, 1875	546	182	7	114
163, 002	Same..... same.....	May 11, 1875	265	86	7	790
164, 719	Culham, Francis, Theford, Canada, assignor of one-half interest to Richard A. Rounds, Grand Rapids, Mich. Signal-operating device.....	June 22, 1875	841	273	7	1072
161, 389	Cull, Henry, Marshalltown, Iowa. Combined cupboard and sink.....	Mar. 30, 1875	1080	353	7	529
163, 159	Same..... Earth-auger.....	May 11, 1875	411	134	7	808
169, 964	Cullers, Charles K., Bunceon, Mo. Spark-conveyer.....	Nov. 16, 1875	644	202	8	833
	Cullom, John H. (See Lane & Cullom.)					
6, 779	Culp, James D., Gilroy, assignor to Consolidated Tobacco Company, San Francisco and Gilroy, Cal. Knitted bag for packages of compressed vegetable substances. (Reissue.)	Dec. 7, 1875	243	83	8	983
162, 353	Culp, James D., Gilroy, Cal. Tobacco-package.....	Apr. 20, 1875	706	230	7	681
169, 777	Culp, James D., San Felipe, Cal. Art of curing tobacco.....	Nov. 9, 1875	460	146	8	803
169, 778	Culp, James D., Gilroy, Cal. Cigar-mold.....	Nov. 9, 1875	462	146	8	803
	Culp, Joseph A. (See Frankfoder, David, assignor.)					
	Same..... (See Lehman, Daniel A., assignor.)					
	Culter, Horace G. (See Earing, Henry B., assignor.)					
8, 768	Culter, Richard A. (See Earing, Henry B., assignor.)					
169, 678	Culter, Richard A., and David C. Procter, Peoria, Ill. Cooking-stove..... (Design).....	Nov. 2, 1875			8	729
	Culver, Freeman and Jefferson H., West Oneonta, N. Y. Colter.....	Nov. 9, 1875	354	112	8	769
	Culver, Jefferson H. (See Culver, Freeman and Jefferson H.)					
	Culver, John P., et al. (See Broas, Richard M. C., assignor.)					
163, 051	Culver, John P., Jersey City, N. J. Flexible joint for pipes.....	May 11, 1875	312	100	7	795
	Culver, Page & Hoyne. (See Von Doehn, William, assignor.)					
	Culver, Willard B. (See Broadbent, Zeigler & Culver.)					
168, 882	Cuming, Alfred A., South Hingham, Mass. Boot.....	Oct. 19, 1875	543	178	8	658
167, 596	Cuming, Mari A., New York, N. Y. Machine for pressing hats.....	Sept. 7, 1875	118	34	8	422
159, 158	Cumming, James, Buffalo, N. Y. Railway-crossing.....	Jan. 26, 1875	788	258	7	154
166, 855	Same..... Railway-frog.....	Aug. 17, 1875	649	202	8	308
6, 729	Cummings, Allan, assignor to New York Screw Company, New York, N. Y. Wood-screw..... (Reissue.)	Nov. 9, 1875	565	176	8	815
	Same..... same..... (Reissue.)	Nov. 9, 1875	566	177	8	815
161, 390	Cummings, Allan, New York, N. Y. Wood-screw.....	Mar. 30, 1875	1091	354	7	550
161, 762	Same..... Roofing.....	Apr. 6, 1875	142	51	7	350
162, 037	Same..... Pouring-lip for sheet-metal measures.....	Apr. 13, 1875	395	133	7	635
163, 747	Same..... Copper bottom for kettles.....	May 25, 1875	975	309	7	505
161, 007	Cummings, Charles, Virginia City, Nev. Tool for turning metal.....	Mar. 23, 1875	708	234	7	472
161, 621	Same..... Grinding and amalgamating pan.....	Oct. 11, 1875	302	93	8	615
159, 306	Cummings, Charles J., Freble, N. Y. Nut-lock.....	Feb. 2, 1875	55	21	7	192
167, 155	Cummings, Ephraim H., Chicago, Ill. Apparatus for preparing and distributing liquid manures.....	Aug. 31, 1875	975	303	8	369
164, 150	Cummings, George W., Franklin, Pa. Fire-place grate.....	June 8, 1875	295	101	7	982
170, 663	Cummings, Montroville D., Hope, Ohio. Windmill.....	Dec. 7, 1875	8	3	8	952

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
162, 462	Cummings, Perley M., Lyons City, Iowa. Mechanical movement.	Apr. 27, 1875	837	269	7	706
	Cummins, William. (See Hartin & Cummins.)					
162, 905	Cunley, Elijah, Philadelphia, Pa. Soap-holder	May 4, 1875	155	50	7	767
167, 991	Cunningham, James, Rochester, N. Y. Carriage-spring.	Sept. 21, 1875	538	1-0	8	502
169, 627	Same. Fifth-wheel	Nov. 9, 1875	302	97	8	783
171, 553	Cunningham, John T. (See Negley & Cunningham.)					
	Cunningham, Patrick, assignor of one-half interest to Bernard Cogan, Newark, N. J. Bomb-lance	Dec. 28, 1875	884	290	8	1092
160, 170	Cunningham, Peter B., Freehold, assignor to Thomas Weiss, Bethlehem, Pa. Shovel	Feb. 23, 1875	894	204	7	327
166, 347	Cunningham, Peter B., Bethlehem, Pa. Die for cutting, molding, and punching shovel-blades	Aug. 3, 1875	147	45	8	220
166, 854	Cunningham, Peter B., Freehold, Pa. Vehicle fifth-wheel	Aug. 17, 1875	648	202	8	308
	Cunningham, Robert. (See Place & Cunningham.)					
8, 647	Cunniugham, William B., and Philip Hill, Philadelphia, Pa. Medal. (Design)	Sept. 14, 1875			8	439
	Curkendall, George. (See Moore & Curkendall.)					
170, 823	Curlee, Merideth P., Corinth, Miss. Seed-planter and fertilizer-distributer	Dec. 7, 1875	152	51	8	971
165, 310	Curran, James, Baltimore, Md. Device for tapping water-mains	July 6, 1875	151	46	8	29
161, 490	Curran, John J., Chicago, Ill. Lumber-drier	Mar. 30, 1875	1190	3-2	7	542
165, 409	Curran, Michael, Nashua, N. H. Automatic fire-lighter	July 13, 1875	279	83	8	53
	Curran, P. D., et al. (See Minor, John O., assignor.)					
171, 101	Carrier, James M., Portland, Me. Coffin	Dec. 14, 1875	421	140	8	1014
162, 533	Carrier, Richard B., Northampton, Mass. Pencil-case	Apr. 27, 1875	900	288	7	713
164, 975	Carrier, William A., Newburyport, Mass. Anchor	June 29, 1875	1092	352	7	1111
162, 534	Curtis, Charles C., Coos, N. H. Device for felling trees	Apr. 27, 1875	901	288	7	713
166, 534	Curtis, Charles C., Stratford, N. H. Rope-stretcher	Aug. 17, 1875	558	171	8	295
167, 647	Curtis, Edward B., Wellsville, N. Y. Handle for milk-cans	Sept. 14, 1875	250	78	8	448
6, 357	Curtis, Francis, and Edward P. Russell, Newburyport, Mass. Pump. (Reissue.)	Mar. 30, 1875	1285	413	7	555
165, 070	Curtis, George S., Chicago, Ill. Car-starter	June 29, 1875	1174	378	7	1123
166, 348	Curtis, George W. H., Brooklyn, N. Y. Bobbin for sewing-machines	Aug. 3, 1875	148	46	8	220
159, 908	Curtis, Harrison W., assignor to H. S. Hale, A. Kilburn, J. W. Hale, H. W. Curtis, C. Kilburn, and Warren Hale, Philadelphia, Pa. Wardrobe-bedstead	Feb. 16, 1875	646	{ 213 214 }	{ 7 7 }	{ 286 286 }
160, 883	Curtis, Henry M., assignor to self and F. P. Bogardus, Ypsilanti, Mich. Fender for vehicles	Mar. 16, 1875	593	193	7	447
167, 902	Curtis, Henry M., Ypsilanti, Mich. Carriage-spring	Sept. 21, 1875	559	180	8	502
	Curtis, H. W., et al. (See Curtis, Harrison W., assignor.)					
	Curtis, James M. (See Baux, John B., assignor.)					
	Curtis, John. (See Phoenix, James H., assignor.)					
162, 222	Curtis, John, Cincinnati, Ohio. Wheel for vehicles	Apr. 20, 1875	585	192	7	666
163, 052	Same. Dash-board for carriages	May 11, 1875	313	100	7	795
161, 763	Curtis, Musely S., Long Island City, assignor of one-half interest to Walter McCollum, New York, N. Y. Hose-nozzle	Apr. 6, 1875	149	51	7	590
165, 071	Curtis, Stephen, and Edwin H. Rowley, New York, N. Y. Ladle	June 29, 1875	1175	378	7	1123
	Curtis, V. G. (See Haggerty, John, assignor.)					
6, 772	Curtis, William H., Chicago, Ill., assignor to Charles B. and John K. Clark, Edwin L. Ferguson, and Henry R. Clark. Mop-head. (Reissue.)	Nov. 30, 1875	1321	417	8	941
159, 750	Curtiss, Edward P., Cleveland, Ohio, assignor of one-half interest to Theodore C. Foote. Knitting-machine	Feb. 16, 1875	499	167	7	266
161, 008	Curtiss, Edward P., Norwalk, assignor of one-half interest to Theodore C. Foote, Cleveland, Ohio. Knitting-machine	Mar. 23, 1875	709	234	7	473
161, 009	Same. Circular-knitting machine	Mar. 23, 1875	711	235	7	473
165, 311	Curtiss, Edward P., Norwalk, Ohio. Knitting-machine for making bullion-fringe	July 6, 1875	152	46	8	29
6, 709	Curtiss, Enos, Findley, Ohio. Cider mill. (Reissue.)	Dec. 14, 1875	539	177	8	1029
160, 397	Curtiss, Enos, Traverse City, Mich. Cider-mill	Mar. 2, 1875	122	45	7	366
166, 969	Curtiss, James A., and Samuel G. Barleigh, Grand Rapids, Mich. Adjustable sewing-machine treadle	Aug. 24, 1875	774	239	8	334
162, 129	Curtiss, Marshall S., assignor of one-half interest to William Wilson, Earlville, Ill. Single-tree hook and clip	Apr. 27, 1875	976	314	7	723
160, 577	Curzon, James, Darion, Conn. Lamp-burner	Mar. 9, 1875	299	101	7	400
159, 159	Cushing, Alvin M., Lynn, Mass. Shoe-horn	Jan. 26, 1875	7-9	259	7	155
170, 153	Cushing, Cyrus F., South Braintree, Mass. Fire-kindler	Nov. 23, 1875	648	265	8	868
169, 342	Cushing, George H., Chicago, Ill., assignor to Samuel S. White, Philadelphia, Pa. Hand-piece for dental engines	Nov. 2, 1875	17	6	8	737
160, 393	Cushing, Mark A., Aurora, Ill. Heating-stove	Mar. 2, 1875	123	45	7	366
166, 072	Same. Magazine heating-stove	July 27, 1875	931	288	8	173
	Cushing, Sewell G. (See Chamberlin & Cushing.)					
164, 529	Cushman, Cyrus S., assignor to Nesbitt D. Stoops, Philadelphia, Pa. Sewing-machine	June 15, 1875	658	213	7	1038
165, 798	Same. same	July 20, 1875	651	201	8	123
167, 747	Same. same	Sept. 14, 1875	334	107	8	461
169, 965	Cushman, Cyrus S., Philadelphia, Pa. Sewing-machine	Nov. 16, 1875	645	202	8	834
166, 191	Cushman, Dexter, Milford, Mass. Carriage-wheel	Aug. 3, 1875	9	3	8	200
163, 638	Cushman, Francis A., Lebanon, N. H. Paper-pulp engine	May 25, 1875	885	279	7	893
171, 356	Cushman, Henry C., and George T. Cockburn, Logansport, Ind. Head-rest	Dec. 21, 1875	666	226	8	1057
164, 675	Cushman, Henry S., assignor to self and Jesse B. Cross, Milford, Mass. Shoe-knife	June 22, 1875	798	261	7	1066
169, 894	Cushman, Henry S., Milford, Mass. Shoe-sole fastening	Nov. 16, 1875	587	182	8	826
163, 919	Cushman, Henry T., Bennington, Vt. Mucilage-holder	June 1, 1875	67	23	7	940
163, 581	Cushman, Joseph, Thomson, Ill. Windmill	May 25, 1875	833	263	7	887
8, 816	Cussen, William J., Richmond, Va., assignor to G. W. Gail and Christian Ax, Baltimore, Md. Tobacco-bag. (Design)	Nov. 30, 1875			8	909
170, 346	Custer, Christian, assignor of one-half interest to Charles K. Bullock, Philadelphia, Pa. Bearing for millstones	Nov. 23, 1875	1013	318	8	892
162, 804	Custer, George, Monroe, Mich. Horseshoe-machine	May 4, 1875	63	21	7	755
	Custer, George M. (See Owen & Custer.)					
171, 471	Cuthirth, George E., San Francisco, Cal. Padlock	Dec. 28, 1875	805	265	8	1081
164, 976	Cutler, Frederick H., Buffalo, N. Y. Parlor-table	June 29, 1875	1093	352	7	1111
168, 459	Same. Office-desk	Oct. 5, 1875	123	43	8	583
171, 357	Cutter, James S., Brooklyn, N. Y., assignor to Joseph M. Davis, Plainfield, N. J. Process for preparing vegetable fiber for upholstery	Dec. 21, 1875	687	227	8	1057
168, 460	Cutter, John D., New York, N. Y. Spool-exhibiting case	Oct. 5, 1875	124	43	8	583
	Cutter, Tower & Co. (See Richards, Percival D., assignor.)					
	Cutting, Adolphus. (See Bullock, William M., assignor.)					
	Cutting, Harvey A. (See Cutting, Henry, assignor.)					
170, 240	Cutting, Henry, assignor of one-half interest to Harvey A. Cutting, Buffalo, N. Y. Sash-balance	Nov. 23, 1875	923	287	8	873
169, 424	Cyr, Aubin, Lowell, Mass. Car-coupling	Nov. 2, 1875	96	29	8	748
159, 646	Daby, Augustin W., Brooklyn, N. Y. Child's carriage	Feb. 9, 1875	378	125	7	245

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
	Daby, A. W. (See Elder, Roscoe G.)..... (Reissue.)					
158, 918	Da Costa, Altamonte, <i>et al.</i> (See Da Costa, David R., assignor.) Da Costa, David R., assignor to Rebecca M., Olivia, and Altamonte Da Costa, Philadelphia, Pa. Game apparatus.....	Jan. 19, 1875	547	182	7	114
	Da Costa, Olivia, <i>et al.</i> (See Da Costa, David R., assignor.) Da Costa, Rebecca M., <i>et al.</i> (See Da Costa, David R., assignor.)					
170, 347	Daggett, Henry S. (See Tittman, Alexander, assignor.)					
159, 647	Dahler, August, New York, N. Y. Car-starter.....	Nov. 23, 1875	1015	318	8	895
168, 622	Dähne, Frederick W., Swansea, Great Britain. Extracting gold.....	Feb. 9, 1875	379		7	245
	Daire, Henry L., Alexandria, La. Hunting-jacket.....	Oct. 11, 1875	302	98	8	615
168, 623	Daimler, Gottlieb W., Muelheim-on-the-Rhine, Germany. Air and gas engine.....	Oct. 11, 1875	303	99	8	615
				100		
169, 895	Daisb, Silas S., Washington, D. C. Sand and gravel drier.....	Nov. 16, 1875	587	182	8	826
164, 530	Daken, Emily R. Cold Water, Mich. Coffee-steeper.....	June 15, 1875	659	213	7	1038
163, 920	Dale, Henry, <i>et al.</i> (See Scott, Walter, assignor.)					
161, 102	Dale, Thomas L., Russellville, Ky. Sash-balance.....	June 1, 1875	68	23	7	940
170, 529	Dallan, Samuel, assignor to self and Horace A. Beale, Parkersburgh, Pa. Bottom plate for puddling-furnaces.....	Mar. 23, 1875	800	263	7	484
164, 720	Dalleme, Ernest, New York, N. Y. Method of producing etchings on glass.....	Nov. 30, 1875	1198	378	8	925
167, 993	Dalson, Charles M., Philadelphia, Pa. Hatchway.....	June 22, 1875	842		7	1072
	Dalton, George, <i>et al.</i> (See McKanna, Robert A., assignor.) Dalton, John, <i>et al.</i> (See McKanna, Robert A., assignor.) Dalton, John E. (See Benton, Thomas P., assignor.)	Sept. 21, 1875	559	180	8	502
160, 007	Dalzell, David, South Egremont, Mass. Device for attaching hubs to axles.....	Feb. 23, 1875	757	250	7	308
169, 679	Dam, Freeland H., Saint Cloud, Minn. Machine for boring blind-stiles.....	Nov. 9, 1875	355	112	8	789
164, 151	Daman, James C., Elk Point, Dak. Grain-drill.....	June 8, 1875	296	101	7	982
170, 241	Same..... same.....	Nov. 23, 1875	934	287	8	878
163, 160	Dame, William, Woonsocket, R. I. Self-lubricating journal-box.....	May 11, 1875	412	134	7	808
159, 565	Dame, George, Brooklyn, N. Y. Sate.....	Feb. 9, 1875	318	104	7	336
159, 395	Damm, John, New York, N. Y. Reclining-chair.....	Feb. 2, 1875	137	47	7	204
167, 507	Damon, Albert P., Reading, assignor to Damon, Temple & Co., Boston, Mass. Neck-tie Damon, Alexander M., deceased. (See Moulton, Damon & Rice.) Damon, Laura S., administratrix. (See Moulton, Damon, & Rice.)	Sept. 7, 1875	110	34	8	422
169, 779	Damon, Phebe D., Fayetteville, N. Y. Vegetable-steamer.....	Nov. 9, 1875	463	146	8	803
163, 748	Damon, Temple & Co. (See Damon, Albert P., assignor.)					
167, 073	Dana, Joseph, Mitchell, Ind., assignor of one-half interest to Edward P. Hamilton, Louisville, Ky. Cotton-seed planter.....	May 25, 1875	976	309	7	905
166, 507	Daby, Byron, Philadelphia, Pa. Fracture apparatus.....	Aug. 24, 1875	871	272	8	348
161, 491	Danforth, Aciel A., assignor to self and Melville C. Kimball, Lynn, Mass. Heel for boots and shoes.....	Aug. 10, 1875	320	97	8	252
163, 749	Danforth, Delos A., Elkhart, Ind. Driven-well point.....	Mar. 30, 1875	1191	382	7	542
169, 966	Danforth, Delos A., Elkhart, Ind. Driven-well point.....	May 25, 1875	977	309	7	905
170, 995	Daniel, Benjamin F., Quincy, Fla. Moth-trap.....	Nov. 16, 1875	646	202	8	834
	Daniels, Aaron M., Hartford, Conn. Lamp-wick.....	Dec. 14, 1875	326	108	8	1001
	Daniels, Albert W. (See Fitz Patrick, William H., assignor.) Daniels, Charles. (See Daniels, William and Charles.)					
167, 508	Daniels, Frederic G., Pawtucket, R. I. Door-bell.....	Sept. 7, 1875	111	34	8	422
167, 438	Daniels, John F., Boston, Mass. Cast-iron sectional boiler.....	Sept. 7, 1875	53	16	8	413
165, 799	Daniels, Taylor E., Detroit, Mich. Pocket-inhaler.....	July 20, 1875	656	202	8	123
166, 264	Same..... Machine for molding concrete pipe, drain-tile, &c.....	Aug. 3, 1875	71	22, 23	8	209
166, 265	Same..... Compound for artificial stone.....	Aug. 3, 1875	74		8	209
166, 686	Same..... Breast-cup for females.....	Aug. 17, 1875	495	151	8	286
164, 977	Daniels, William, Brooklyn, N. Y. Paper-folding machine.....	June 29, 1875	1094	353	7	1111
167, 308	Same..... Cutter and perforator for paper.....	Aug. 31, 1875	1103	347	8	388
167, 309	Same..... Folding and perforating machine.....	Aug. 31, 1875	1103	347	8	388
164, 978	Daniels, William and Charles, Brooklyn, N. Y. Paper-folding machine.....	June 29, 1875	1095	353	7	1111
168, 235	Daniels, William H., Montpelier, Ohio. Plow.....	Sept. 28, 1875	817	260	8	545
170, 436	Daniels, William K., Peabody, Mass. Rotary press.....	Nov. 30, 1875	1113	350	8	913
161, 209	Danielson, John A., Calumet, Mich. Bag-fastener.....	Mar. 23, 1875	892	293	7	497
6, 733	Dann, Henry D., Oshkosh, Wis. Saw-mill dog..... (Reissue.)	Nov. 9, 1875	521	177	8	816
165, 215	Dann, Henry W., West Troy, N. Y. Smoking-case.....	July 6, 1875	71	20	8	18
168, 725	Dann, Isaac N., assignor to New Haven Folding Chair Company, New Haven, Conn. Folding chair.....	Oct. 11, 1875	392	128	8	628
168, 883	Same..... same.....	Oct. 19, 1875	544	178	8	658
169, 968	Same..... same.....	Nov. 16, 1875	647	202	8	834
158, 834	Darby, George W., Hamilton, Ohio. Ruffler for sewing-machines.....	Jan. 19, 1875	465	156	7	104
159, 020	Darby, George W., Hamilton, Ohio. Ruffler for sewing-machines.....	Jan. 26, 1875	670	218	7	137
161, 210	Darche, Pierre, San Francisco, Cal. Fruit-jar.....	Mar. 23, 1875	893	293	7	497
158, 688	Darcy, Thomas F., New York, N. Y. Top-joint for vehicles.....	Jan. 12, 1875	314	107	7	68
170, 065	Darling, Augustus L. (See Darling, George S. and Augustus L.) Darling, George H., Crary's Mills, N. Y. Water-wheel.....	Nov. 16, 1875	735	233	8	846
165, 630	Darling, George S. and Augustus L., Watertown, N. Y. Sewing-machine.....	May 25, 1875	886	279	7	894
				289		
6, 443	Darling, John A. (See Grinstead & Darling.)					
6, 574	Darling, Samuel, Providence, R. I. Inkstand..... (Reissue.)	May 25, 1875	1053	333	7	916
160, 171	Same..... same..... (Reissue.)	Aug. 3, 1875	253	76	8	235
164, 721	Same..... same.....	Feb. 23, 1875	895	295	7	327
169, 152	Same..... same.....	June 22, 1875	843	274	7	1072
162, 805	Same..... same.....	Oct. 26, 1875	818	265	8	703
166, 192	Darling, William H., New York, assignor of one-half interest to John Ardry, Brooklyn, N. Y. Seal-lock.....	May 4, 1875	64	21	7	755
169, 967	Darling, William P., <i>et al.</i> (See Cooper, Edward A., assignor.) Darnall & Womacks. (See Starnes, Philip S., assignor.)					
169, 967	Darneal, Hervey, San Francisco, Cal. Game-board.....	Aug. 3, 1875	10	4	8	200
169, 525	Darnoby, William F., assignor to self and Edward B. Stahlman, Nashville, Tenn. Composition for soap.....	Nov. 16, 1875	646		8	834
167, 876	Darrach, Samuel A., Orange, N. J. Cherry-stoner.....	Nov. 2, 1875	181	61	8	759
163, 921	Darragh, Bernard, Franklin, Pa. Carpet-stretcher.....	Sept. 21, 1875	472	149	8	489
166, 508	Dart, Albert, Rockville, Conn. Cultivator.....	June 1, 1875	69	23	7	940
159, 566	Darschbach, Edward J., Pittsburg, Pa. Carbureter.....	Aug. 10, 1875	321	97	8	252
	Dathis, Leon, Paris, France. Apparatus for transferring goods in bulk.....	Feb. 9, 1875	319	104	7	336
167, 439	Daugherty, Oliver R. (See Kepple, John, assignor.) Davenport, Charles E., and William M. Porter, Washington, D. C. Hinged mast for boats.....	Sept. 7, 1875	51	16	8	413

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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164, 979	Davenport, John, Stamford, Conn. Metal cap for posts	June 29, 1875	1096	353	7	1112
	Davenport, John L., et al. (See Stout, George H., assignor.)					
163, 978	Davenport, Samuel W., Somerville, N. J. Air-heating furnace	June 1, 1875	115	39	7	947
6, 532	Davenport, Stephen S., Hallowell, Me. Steam-engine (Reissue)	July 6, 1875	235	76	8	43
167, 509	Davey, Henry, Leeds, England. Steam-engine	Sept. 7, 1875	112	35	8	422
	David, George F. (See Gate & David.)					
167, 228	David, George F., and Charles Wilding, Indianapolis, Ind. Grain-car door	Aug. 31, 1875	1037	322	8	378
159, 053	David, Henry R., New York, N. Y. Electrical indicator for letter-boxes	Jan. 26, 1875	724	259	7	146
168, 236	David, Jacob, Brooklyn, N. Y. Blind-awning	Sept. 22, 1875	818	260	8	545
158, 659	Davids, Garret B., assignor to self and Talbot Deunthead, Baltimore, Md. Iron column	Jan. 12, 1875	315	107	7	68
160, 884	Same..... Disintegrating-mill	Mar. 16, 1875	594	193	7	448
163, 364	Davidson, Minter H., Pruntytown, W. Va. Railway-switch	May 18, 1875	619	198	7	851
166, 687	Davidson, Thomas L., Worth County, Missouri. Portable fence	Aug. 17, 1875	496	151	8	286
169, 153	Davies, Daniel E., Dundaff, Pa. Dumping-wagon	Oct. 26, 1875	819	266	8	703
8, 019	Davies, Henry J., Brooklyn, N. Y. Combined clock and mirror frame (Design)	Jan. 26, 1875			7	133
159, 160	Same..... Clock frame or case	Jan. 26, 1875	789	259	7	155
161, 211	Same..... Clock-case	Mar. 23, 1875	893	293	7	497
6, 432	Davies, Henry J., and Walter D., Brooklyn, N. Y., assignors to Bennett & Smith. Carding-engine for making bats for felted fabrics (Reissue)	May 18, 1875	804	254	7	875
167, 310	Davies, Henry J., and Walter D., assignors to James G. Bennett and Andrew H. Smith, Brooklyn, N. Y. Felt fabric	Aug. 31, 1875	1105	348	8	388
	Davies, Joshua. (See Duck, Simeon, assignor.)					
164, 152	Davies, Richard H., Boundbrook, N. J. Spice-cabinet	June 2, 1875	297	102	7	982
159, 021	Davies, Thomas, Cincinnati, Ohio. Target for surveyors	Jan. 26, 1875	671	219	7	137
	Davies, Walter D. (See Davies, Henry J. and Walter D.)					
	Same..... same (Reissue.)					
	Same..... same (Design.)					
	Davis & Co., William C. (See Davis, William C., assignor)					
	Davis, & Son, James. (See Wilmarth, Moses P., assignor.)					
170, 530	Davis, Abram F., Liscomb, Iowa. Hame	Nov. 30, 1875	1198	378	8	925
165, 480	Davis, Adolphus W., Dwight, Ill. Harrow	July 13, 1875	352	163	8	63
161, 011	Davis, Albert J., Prairie City, Iowa. Potato-harvester	Mar. 23, 1875	713	235	7	473
160, 309	Davis, Albert M., Jerseyville, Ill. Colter	Mar. 2, 1875	46	17	7	355
	Davis, Augustus B., Philadelphia, Pa. Scale-beam (Extension)	Feb. 25, 1875			7	515
	Same..... Weighing apparatus (Extension)	Feb. 25, 1875			7	515
6, 346	Same..... same (Reissue)	Mar. 23, 1875	1011	330	7	512
6, 347	Same..... same (Reissue)	Mar. 23, 1875	1013	350	7	512
163, 640	Davis, Calvin B., Cassadaga, N. Y. Lathe-dog	May 25, 1875	87	280	7	894
163, 750	Davis, Charles, jr., Portland, Me. Bill-file	May 25, 1875	977	309	7	906
161, 596	Davis, David W. and Samuel H., Detroit, Mich. Preparing fish for market	Apr. 6, 1875	8	3	7	570
171, 358	Davis, Ebenezer R., Detroit, Mich. Machine for trimming and punching roofing-slate	Dec. 12, 1875	687	227	8	1057
	Davis, Francis N. (See Thompson, Judson S., assignor.)					
166, 193	Davis, Frank E., assignor to self and Israel C. Mayo, Gloucester, Mass. Rowlock	Aug. 3, 1875	11	4	8	200
162, 038	Davis, Frederick J., Newport, Vt. Block-lock for shoe-lasts	Apr. 13, 1875	396	134	7	635
164, 722	Same..... Foot-power laster	June 22, 1875	844	274	7	1072
	Davis, Fremont D. (See Wilhelm, Henry, assignor.)					
	Davis, George G., et al. (See Davis & Stone, assignors.)					
	Davis, George L., et al. (See Davis & Stone, assignors.)					
166, 917	Davis, George W., assignor of one-half interest to Charles W. Lewis, Boston, Mass. Insect-destroying compound	Aug. 24, 1875	723		8	327
166, 510	Davis, Gustavus L., Haverhill, Mass. Lady's shoe	Mar. 9, 1875	242	83	7	392
161, 103	Same..... Shoe	Mar. 23, 1875	802	263	7	484
162, 535	Davis, Henry A., London, England. Safety apparatus for lifts or hoists	Apr. 27, 1875	901	288	7	713
160, 084	Davis, Hilar D., and Joseph M. Stone, assignors to George L. Davis, John A. Wiley, Joseph M. Stone, George G. Davis, Joseph H. Stone, and James H. Davis, North Andover, Mass. Loom	Feb. 23, 1875	823	270	7	317
	Davis, Jacob, et al. (See Bickel, John G., assignor) (Reissue.)					
	Same..... (See Duman, Stephen A., assignor.)					
6, 335	Davis, Jacob W., Reno, Nev., assignor to self and Levi Straus & Co., San Francisco, Cal. Pantaloon, &c. (Reissue)	Mar. 16, 1875	688	226	7	461
	Davis, James H., et al. (See Davis & Stone, assignors.)					
161, 010	Davis, James M., assignor to Joseph S. Smith, Bangor, Me. Extension-ladder	Mar. 23, 1875	712	235	7	473
167, 642	Davis, James S., assignor to self and George R. Hurd, Monroe, Mich. Dinner-box	Sept. 14, 1875	250	78	8	448
	Davis, J. L., et al. (See Stevens, John, assignor.)					
	Davis, John, administrator. (See Murkland, William, assignor) (Extension.)					
171, 102	Davis, John C., assignor of one-half interest to Thomas J. Hayward and Edward L. Bartlett, Baltimore, Md. Extension-cap for piles	Dec. 14, 1875	421	140	8	1014
158, 473	Davis, John E., assignor of one-half interest to George Baldwin, Bradford, Vt. Ox-shoe	Jan. 5, 1875	108	36	7	24
158, 919	Davis, John R., and James R. Mills, Bloomfield, Iowa. Earth-auger	Jan. 19, 1875	548	182	7	114
170, 437	Same..... Earth-boring apparatus	Nov. 30, 1875	1114	351	8	913
	Davis, Joseph H. (See Shepard, George A., assignor) (Reissue.)					
	Davis, Joseph M. (See Cutter, James S., assignor.)					
167, 311	Davis, Leonard L., Springfield, Mass. Bench-plane	Aug. 31, 1875	1105	348	8	388
158, 690	Davis, Lewis H., West Chester, Pa. Pitman-combucion	Jan. 12, 1875	315	107	7	68
	Davis Metallic Wheel Manufacturing Company. (See Davis, Robert W., assignor.)					
	Same..... (See Richardson, Clinton W., assignor.)					
165, 072	Davis, Michael F., Portland, Me. Rowlock	June 29, 1875	1175	378	7	1123
158, 022	Davis, Morgan, Covington, Ind. Fire-escape ladder	Jan. 26, 1875	671	219	7	138
170, 824	Davis, Nelson D., Caton, N. Y. Coupling for chain-pump buckets	Dec. 7, 1875	153	51	8	971
	Davis, Nicholas A. (See Triple & Davis.)					
6, 334	Davis, Obadiah, Battle Creek, Mich. Sash-balance (Reissue)	Mar. 16, 1875	688	226	7	461
167, 748	Davis, Omar, Bourbon, Ind. Wash-boiler	Sept. 14, 1875	347	108	8	461
160, 578	Davis, Orson A., Washington, Cal. Water-elevator or chain-pump	Mar. 9, 1875	299	102	7	401
	Davis, Philip F. (See Cornelius, Wilber F., assignor.)					
	Davis, Richard A. (See Landon, Reuben A., assignor.)					
	Davis, Robert C. (See Brown & Davis.)					
170, 996	Davis, Robert W., Flushing, assignor to Davis Metallic Wheel Manufacturing Company, New York, N. Y. Wheel-hub	Dec. 14, 1875	327	108	8	1001
	Davis, Samuel H. (See Davis, David W. and Samuel H.)					
165, 800	Davis, Samuel H., and Howard M. Du Bois, Philadelphia, Pa. Lubricator	July 20, 1875	657	202	8	123
164, 365	Davis, Samuel T., Washington, D. C. Hinge	June 15, 1875	512	169	7	1019
169, 780	Davis, Samuel W., Brasher, N. Y. Endless chain for horse-powers	Nov. 9, 1875	464	146	8	803
	Davis, Silas A. (See Young & Davis.)					
159, 648	Davis, Stephen S., Chicago, Ill., assignor to Pollock Barbour, Louisville, Ky. Farm-gate	Feb. 9, 1875	379	126	7	245
	Davis, Thomas S. (See Payne, Morgan, assignor.)					
160, 752	Davis, Thomas S., Jersey City, N. J. Piston	Mar. 16, 1875	478	156	7	432

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158, 785	Davis, Valentin E., Palmer, Ill. Vehicle-seat	Jan. 19, 1875	418	141	7	98
	Davis, W. Ellery, administrator. (See Whitcomb & Rawson.)					
163, 641	Davis, William, Petaluma, Cal. Spring trace-carrier and back-loop	May 25, 1875	888	200	7	894
8, 563	Davis, William C., Cincinnati, Ohio, assignor to self, William K. Boal, and Samuel P. Cheseldine. Agricultural boiler (Design).	Feb. 9, 1875			7	223
	Davis, William C., assignor to William C. Davis & Co., Cincinnati, Ohio. Heating-stove (Design)					
162, 806	Davis, William M., Cleveland, Ohio. Galvanic battery	Aug. 17, 1875			8	281
161, 212	Davison, Darius, New York, N. Y. Furnace for gas-retorts	May 4, 1875	65	21	7	755
162, 807	Same..... Breech-loading ordnance	Mar. 23, 1875	894	293	7	497
169, 628	Same..... Process and apparatus for decarbonizing gas-retorts	May 4, 1875	67	21	7	756
170, 531	Dawes, William, Leeds, England. Converting motion	Nov. 9, 1875	303	48	8	788
164, 531	Dawley, Avanius W., Mankato, Minn. Centrifugal honey-extractor	Nov. 30, 1875	119	378	8	925
167, 510	Dawson, Benjamin F., New York, N. Y. Galvanic battery	June 15, 1875	600	214	7	1038
163, 161	Dawson, John A., Boston, Mass., assignor to Florentine A. Jones, Schaffhausen, Switzerland. Mainspring for watches	Sept. 7, 1875	113	36	8	422
165, 407	Dawson, Paul K., Brenham, Tex. Bale-tie	May 11, 1875	413	134	7	808
162, 536	Dawson, Walter, and James Hughes, Scranton, Pa. Steam-boiler furnace	July 13, 1875	277	82	8	53
6, 707	Day, Austin G., New York, N. Y. Artificial caoutchouc (Reissue)	Apr. 27, 1875	902	288	7	713
6, 708	Same..... Process of forming artificial caoutchouc (Reissue)	Oct. 19, 1875	734		8	684
160, 579	Day, Benjamin J., Evansville, Ind. Hay and cotton press	Oct. 19, 1875	735		8	684
165, 481	Day, Charles M., Elizabeth, N. J. Ice-velocipede	Mar. 9, 1875	300	102	7	401
	Day, Fred. K., et al. (See Crane, Thomas S., assignor.)	July 13, 1875	353	103	8	64
164, 078	Day, George W., assignor to Manhattan Lime Hurdle Company, Haverhill, Mass. Lime-supporting tray for gas-purifying boxes	June 8, 1875	234	81	7	974
	Day, Sallie V. (See Day, Theodore D., assignor.)					
164, 815	Day, Selden A., Bowling Green, Ohio. Automatic heat-regulator and alarm	June 22, 1875	928	301	7	1083
161, 012	Day, Theodore D., assignor to Sallie V. Day, Elizabeth, N. J. Shirt-protector	Mar. 23, 1875	713	236	7	473
161, 492	Daynhoff, Andrew F., et al. (See Prunett, William, assignor) (Reissue.)					
164, 816	Dayton, Edwin, Meriden, Conn. Hose-joint	Mar. 30, 1875	1192	383	7	542
168, 972	Same..... Hose-coupling	June 22, 1875	930	301	7	1083
	Dayton, Henry G., assignor to Elliot P. Gleason, Maysville, Ky. Pocket disinfecter and inhaler	Oct. 19, 1875	638	208	8	670
169, 781	Dayton, Henry G., Maysville, Ky. Life-preserver	Nov. 9, 1875	464	147	8	803
165, 073	Dayton, John A., Brooklyn, N. Y. Machine for polishing moldings	June 29, 1875	1176	378	7	1123
165, 074	Same..... Feeding device for polishing-machines	June 29, 1875	1177	379	7	1123
	Dayton Machine Company. (See Aldrich, Wales, assignor.)					
167, 994	Deacon, George F., Liverpool, England. Apparatus for indicating and recording the velocity of water in pipes	Sept. 21, 1875	560	{ 180 } { 181 }	8	502
165, 801	Deacon, Henry, Widens, England. Manufacture of chlorine	July 20, 1875	658		8	124
165, 802	Same..... same	July 20, 1875	659		8	124
	Deacon, William H. (See Hill & Deacon) (Design.)					
168, 884	Dealy, Paul K., St. John, Canada. Apparatus for cleaning locomotive ash-pans	Oct. 19, 1875	544	178	8	658
6, 570	Dean, Andrew B., Louisville, Ky. Pavement (Reissue)	Aug. 3, 1875	249		8	234
161, 013	Same..... same	Mar. 23, 1875	714		7	473
161, 213	Dean, Asabel H., Philadelphia, Pa. Bench-plane	Mar. 23, 1875	895	294	7	497
	Dean, Charles F. (See Wren & Barker, assignors) (Reissue.)					
163, 642	Dean, George D., Newark, N. J. Pipe-wrench	May 25, 1875	888	{ 280 } { 281 }	7	894
6, 817	Dean, James C., Chicago, Ill., assignor to Samuel S. White, Philadelphia, Pa. Dental hammer (Reissue)	Dec. 21, 1875	790	261	8	1071
	Dean, William B., et al. (See Reynolds, William L., assignor.)					
167, 440	Dearring, Fountain F. (See Mickle & Dearring.)					
	Deatherage, Washington, Galesburgh, Ill. Hog-trap	Sept. 7, 1875	55	17	8	414
6, 342	Deavitt, Thomas J. (See Stimson, Enos, assignor.)					
166, 073	De Barry, James, Chicago, Ill. Key-check (Reissue)	Mar. 23, 1875	1009	329	7	511
	De Barry, James J., and Thorvald J. and Alexis T. Lundqvist, Brooklyn, N. Y. Basket for newspapers	July 27, 1875	932	288	8	173
166, 174	Same..... Letter-box	July 27, 1875	933	288	8	173
167, 312	Same..... same	Aug. 31, 1875	1106	348	8	388
165, 482	De Baun, Andrew N., Oradell, N. J. Boot-jack	July 13, 1875	353	103	8	64
161, 764	De Beaumont, Alexandre, assignor of one-half interest to John Weidig and Charles Yoekel, Philadelphia, Pa. Automatic regulating device for steam-engines	Apr. 6, 1875	150	52	7	590
158, 363	De Boucherville, George B., Quebec, Canada. Propulsion of vehicles	Jan. 5, 1875	13	4	8	10
158, 920	De Butt, John, Philadelphia, Pa. Machine for tripping and beading sheet-metal	Jan. 19, 1875	549	{ 182 } { 183 }	7	115
160, 652	Same..... Water fire-box	Mar. 9, 1875	364	133	7	410
	De Cairy, William A. (See Walker, Rudolph L., assignor.)					
162, 130	Dechert, Howard P., New York, N. Y. Electroplating with nickel	Apr. 27, 1875	977		7	724
165, 210	Same..... Galvanic battery	June 8, 1875	409	137	7	996
165, 312	Same..... Pole for galvanic batteries	July 6, 1875	153	47	8	30
	Dechert, Robert P., trustee. (See Cresson, Charles M., assignor.)					
165, 985	Decker, George H., Belleville, N. J. Marking-board for pin-pools	July 27, 1875	852	262	8	162
169, 969	Decker, Henry, Orange, N. J. Wagon-brake	Nov. 16, 1875	647	203	8	834
161, 765	Decker, James L., Wayne, Mich. Bed-bottom	Apr. 6, 1875	151	52	7	590
	Decker, John G., et al. (See Leach, Matthew, assignor.)					
158, 405	Decker, Peter H., Morriston, N. Y. Bed-pipe for lead-corroding houses	Jan. 5, 1875	47	17	7	15
	Decker, Theodore. (See Weaver & Decker.)					
161, 597	Decker, William, assignor of one-half interest to Lemuel G. Trott, Manchester, Mass. Folding table	Apr. 6, 1875	9	3	7	570
164, 723	Decker, William J., New York, N. Y. Electric toy	June 22, 1875	845	274	7	1072
161, 766	Dederick, Peter K., Albany, N. Y. Baling-press	Apr. 6, 1875	151	52	7	590
170, 997	Same..... same	Dec. 14, 1875	328	109	8	1001
170, 998	Same..... same	Dec. 14, 1875	329	109	8	1001
170, 999	Same..... same	Dec. 14, 1875	331	110	8	1001
171, 000	Same..... Horse-power	Dec. 14, 1875	331	110	8	1002
171, 001	Same..... same	Dec. 14, 1875	332	110	8	1002
171, 215	Same..... Bale-tie	Dec. 21, 1875	561	184	8	1040
	Deere & Co. (See Moore & Curkendall, assignors.)					
162, 039	Deetz, Edward, Philadelphia, Pa. Bedstead-fastening	Apr. 23, 1875	397	134	7	635
163, 053	Deey, E. Morlimer, New York, N. Y. Fire-place	May 11, 1875	314	101	7	795
164, 153	Defibaugh, Daniel L., Bedford, Pa. Wagon-brake	June 8, 1875	298	102	7	982
171, 216	De Forest, Benjamin D., Mount Vernon, N. Y. Dancing toy	Dec. 21, 1875	561	185	8	1040
161, 331	De Forest, David W., Brooklyn, N. Y. Lump-tobacco machine	Mar. 30, 1875	1031	336	7	522
170, 715	Same..... Sled-propeller	Dec. 7, 1875	57	17	8	958

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	De Forest, Henry S. (See Van Slyck & De Forest)..... (Design.)					
	De Forest, Sarah A., et al. (See De Forest, Thomas B., assignor.)					
162, 040	De Forest, Thomas B., Birmingham, Conn. Machine for setting carriage-springs.....	Apr. 13, 1875	397	{ 134 135 }	7	635
166, 918	De Forest, Thomas B., assignor to Sarah A. De Forest and John S. Pessenger, Birmingham, Conn. Machine for setting carriage-springs.....	Aug. 24, 1875	724	224	8	327
159, 307	Defrenne, Hector J., Green Bay, Wis. Rolling slutter.....	Feb. 2, 1875	56	21	7	192
159, 649	De Garis, Alfred, New York, N. Y. Apparatus for feeding fowls.....	Feb. 9, 1875	380	126	7	245
165, 313	Degraw, George H., assignor to self and Reuben C. Grover, Brooklyn, N. Y. Machine for cutting shingles.....	July 6, 1875	154	47	8	30
167, 649	Degroat, Daniel S., Newburgh, N. Y. Meat-cutter.....	Sept. 14, 1875	231	78	8	448
160, 653	De Guion, Richard V., Jersey City, N. J. Apparatus for supplying oil to lamps.....	Mar. 9, 1875	366	124	7	410
	De Guire, Jasper N. (See Bright & De Guire.)					
168, 237	De Hart, Andrew M., Reading, Pa. Knife-polisher.....	Sept. 28, 1875	819	260	8	545
	De Hart, Charles A. (See Palmer, Jesse, assignor.)					
169, 782	Dehlinger, Christian, assignor of one-half interest to Frank Dehlinger, Buffalo, N. Y. Vent-faucet.....	Nov. 9, 1875	465	147	8	803
	Dehlinger, Frank. (See Dehlinger, Christian, assignor.)					
162, 537	Dehoff, Abraham, York, Pa. Car-coupling.....	Apr. 27, 1875	903	289	7	714
	De Huff, John L. (See Watson & De Huff.)					
169, 526	De Hoff, John L., assignor to Joseph Watson, Everett, Mass. Oscillating printing-press.....	Nov. 2, 1875	182	61, 62	8	760
	Dejarnatt, Robert L. (See Wilcox & Dejaruatt.)					
	Dejean, Alfred R. (See Allain & Dejean.)					
169, 783	De la Bastie, François B. A. R., Paris, France. Tempering glass and furnace therefor..	Nov. 9, 1875	466	{ 147 148 }	8	803
168, 885	Delamater, Almon, Townville, Pa. Washing-machine.....	Oct. 19, 1875	545	179	8	658
	Delamater, Cornelius H. (See Reynolds, George H., assignor.)					
	Delamater, Cornelius H., et al. (See Reynolds, George H., assignor.)					
	Delamater, Cornelius H., et al. (See Reynolds & Miller, assignors.)					
	De la Montague, Albert, et al. (See Jones, Gilbert D., assignor.)					
161, 214	DeLand, Franklin A., Memphis, assignor of one-half interest to Abner C. Harrington, Lapecr, Mich. Reamer for shoi-guns.....	Mar. 23, 1875	896	294	7	497
165, 156	Delany, Patrick B., Jersey City, N. J. Automatic telegraph.....	July 6, 1875	10	3	8	10
165, 157	Same..... Telegraph-relay.....	July 6, 1875	10	4	8	10
167, 995	Delaplaine, Theodore C., assignor of one-half interest to Henry N. Etchison, Frederick, Md. Flour-mill.....	Sept. 21, 1875	561	181	8	502
	Delatour, J. J., et al. (See Wilcox, Harlow M., assignor.)					
	Del Bubba, Mario. (See Ara & Del Bubba.)					
163, 003	De Leidi, Raphael, Brooklyn, N. Y. Device for transmitting motion.....	May 11, 1875	266	86	7	790
162, 041	Delmage, Christopher L., Woonsocket, R. I. Fire-extinguisher.....	Apr. 13, 1875	401	135	7	636
159, 502	De Long, Baltis, Washington, D. C. Toy gun.....	Feb. 9, 1875	259	84	7	223
170, 438	Delscaux, Jean P., Alibrace, Cal. Harvester.....	Nov. 30, 1875	1115	351	8	914
159, 308	Demarest, David, New York, N. Y. Hitch-hook for street-cars.....	Feb. 2, 1875	56	21	7	192
165, 314	De Meritens, Auguste, Paris, France. Process of tanning hides.....	July 6, 1875	155		8	30
162, 042	De Mestre, Adrien, Bordeaux, France. Machine for twisting wire.....	Apr. 13, 1875	402	{ 135 136 }	7	636
166, 075	Same..... Machine for making wire caps.....	July 27, 1875	934	29	8	173
166, 076	Same..... Machine for finishing wire caps.....	July 27, 1875	935	2-9	8	173
166, 077	Same..... Machine for applying wire caps to bottles.....	July 27, 1875	936	289	8	173
	De Mier, John R. (See Keys & De Mier.)					
158, 575	Denning, David A., and Sterling W. Wickes, assignors to H. C. Silsby, Seneca Falls, N. Y. Journal-box.....	Jan. 12, 1875	212	72	7	54
159, 023	Same..... Rotary engine.....	Jan. 26, 1875	673	219	7	138
166, 078	Denning, Ferdinand, Waterbury, Conn. Feeding device for punching-machines.....	July 27, 1875	937	299	8	174
169, 784	Same..... same.....	Nov. 9, 1875	469	{ 145 149 }	8	803
8, 581	Denning, Joseph C., Norfolk, Va. Medal..... (Design.)	Aug. 24, 1875			8	322
8, 593	Same..... Flag..... (Design.)	Aug. 31, 1875			8	364
170, 621	Denning, Philander, Albany, N. Y. Type-writing machine.....	Nov. 30, 1875	1289	407	8	937
	De Monthureux Gas Company Ragot. (See Nicholson, John, jr., assignor.)					
6, 800	Demorest, W. Jennings, New York, N. Y., assignor, by mesne assignments, to Samuel S. White, Philadelphia, Pa. Treadle..... (Reissue.)	Dec. 14, 1875	540	177	8	1029
165, 483	Denness, James, Somerset, Ind. Culinary vessel.....	July 13, 1875	354	104	8	64
	Denpsey Wicker Covered Glassware Company. (See Fort, John N., assignor.)					
	Denpsey Wicker Covered Glassware Company. (See Morton, John S., assignor.)					
170, 348	Denpster, Robert, assignor of one-half interest to John M. Comstock, Buffalo, N. Y. Steam-boiler.....	Nov. 23, 1875	1016	318	8	892
163, 851	Demuth, Adolph, New York, N. Y. Cartesian toy.....	June 1, 1875	15	5	7	932
7, 987	Demuth, Isaac, New York, N. Y. Smoking-pipe..... (Design.)	Jan. 5, 1875			7	5
171, 554	Same..... Package for tobacco, pipes, and other articles.....	Dec. 23, 1875	885	290	8	1092
165, 075	Deneef, Joseph, and Félix Wilkin, Liege, Belgium. Invalid-bedstead.....	June 29, 1875	1178	379	7	1123
158, 474	Denham, Edward. (See Denham, Thomas M. and Edward.)					
	Denham, Thomas M. and Edward, New Bedford, Mass. Shirt-bosom.....	Jan. 5, 1875	109	37	7	24
	Denio, A. O., et al. (See Getz, Joseph C., assignor.)					
	Denio, Asa O. (See Getz, Joseph C., assignor.)					
	Denio, Elon C., et al. (See Brinkerhoff, Jacob, assignor.)..... (Reissue.)					
6, 266	Denio, Elon C., and George R. Babcock, New Hartford, N. Y. Spading and other tools..... (Reissue.)	Feb. 2, 1875	238	78	7	217
161, 598	Denio, Elon C., Auburn, N. Y. Ferrule for tool-handles.....	Apr. 6, 1875	10	4	7	570
168, 832	Denio, William L., and William E. Neer, Rochester, N. Y. Key-ring.....	Oct. 19, 1875	501	163	8	651
165, 549	Denison, Amos B., Guilford, Vt. Bracket-stand.....	July 13, 1875	412	124	8	73
	Denison, Charles H., New York, N. Y. Felly-machine..... (Extension.)	Feb. 18, 1875			7	515
163, 582	Same..... Machinery for uniting paper and cloth.....	May 25, 1875	833	263	7	887
165, 803	Same..... Paper-collar machine.....	July 20, 1875	660	202	8	124
167, 156	Same..... Machine for cutting paper collars and cuffs.....	Aug. 31, 1875	976	304	8	370
	Denlinger, B. B., et al. (See Brown, Andrew, assignor.)					
	Denlinger, J. B., et al. (See Brown, Andrew, assignor.)					
163, 852	Denman, William S., and Mary E. Barfoot, El Paso, Ill. Lid-holding attachment to stove-pipes.....	June 1, 1875	16	5	7	932
	Denmeil, Talbott. (See Davids, Garret B., assignor.)					
	Denne, Mark C. (See Denne, Thomas J. and Mark C.)					
166, 509	Denne, Thomas J., Croydon, and Mark C. Denne, New Cross, England. Machine for sewing on the soles of boots and shoes.....	Aug. 10, 1875	321	97	8	252
162, 906	Dennen, Augustus M., and Casey Newhouse, Stockton, Cal. Spring bed-bottom.....	May 4, 1875	156	50	7	767

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167, 829	Dennett, Herbert E., Boston, Mass. Boot and shoe fastening.	Sept. 21, 1875	428	136	8	482
154, 475	Denney, Samuel L., Gap, Pa. Device for opening and closing furnace-doors.	Jan. 5, 1875	110	37	7	21
166, 266	Same. Washing-machine.	Aug. 3, 1875	75	23	8	209
160, 985	Dennick, Lyman L., Syracuse, N. Y. Measuring-faucet.	Feb. 23, 1875	824	171	7	317
171, 507	Dennis, Jonathan, Jr., Washington, D. C. Dissected picture and letter block.	Dec. 28, 1875	846	277	8	1086
168, 379	Dennis, Joseph S., et al. (See Betts, Lewis F., assignor.)					
168, 461	Dennis, Lloyd B., Sandusky, Ohio. Circuit-closer for railway-signals.	Oct. 5, 1875	53	19	8	572
6, 780	Dennison, Albert S., Carthage, assignor of one-half interest to John D. Huntington, Watertown, N. Y. Paper bag.	Oct. 5, 1875	125	43	8	583
161, 490	Dennison, Benjamin L., Brunswick, Me. Machine for making cushions for finger-ring boxes.	Dec. 7, 1875	244	83	8	983
165, 158	Same. same.	Mar. 30, 1875	1192	383	7	542
170, 664	Dennison, Eliphail W., Boston, Mass. Metal or paper gage.	July 6, 1875	11	4	8	10
	Same. Paper box.	Dec. 7, 1875	9	3	8	952
	Dennison, Robert. (See Lesh, James, assignor.)					
	Dennison, J., et al. (See Dennison, John N., assignor.)					
168, 973	Dennison, John N., Newark, N. J. Boiler for steam fire-engines.	Oct. 19, 1875	629	208	8	670
170, 532	Dennison, John N., Newark, N. J., assignor of three-fourths interest to J. Dennison, R. H. Johnson, and William W. Russell. Portable water-works.	Nov. 30, 1875	1199	379	8	925
165, 315	Denny, George W., New Haven, Conn. Skirt-elevator.	July 6, 1875	156	47	8	30
163, 365	De Notbeck, Gabrielle, New York, N. Y. Reciprocating churn.	May 18, 1875	620	198	7	851
164, 724	Denson, James M., Columbus, Ga. Turbine water-wheel.	June 22, 1875	845	274	7	1072
161, 215	Dent, William, et al. (See Kingsbury, Andrew B., assignor.)					
168, 326	Denton, Benjamin J., Oswego, N. Y. Peat-cutter.	Mar. 23, 1875	896	294	7	497
	Denton, Charles, assignor of one-half interest to Andrew J. Hedges, Peoria, Ill. Harvester.	Oct. 5, 1875	10	4	8	566
6, 326	De Pew, Aaron V. (See Briggs & De Pew.)					
	De Puy, Alexander T., assignor to R. Hee & Co., New York, N. Y. Printer's galley. (Reissue.)	Mar. 9, 1875	457	151	7	422
6, 327	Same. same. (Reissue.)	Mar. 9, 1875	458	151	7	422
6, 801	Same. Printer's case. (Reissue.)	Dec. 14, 1875	541	178	8	1029
160, 654	Same. Printer's galley. (Reissue.)	Mar. 9, 1875	367	124	7	410
158, 406	De Quillfeldt, Charles, New York, N. Y. Bottle-stopper.	Jan. 5, 1875	48	17	7	15
159, 893	Same. Window-shade fixture.	Feb. 16, 1875	543	182	7	273
167, 600	Same. Machine for bending wire frames of bottle-stoppers.	Sept. 14, 1875	251	78	8	443
	Deremer, John M. (See Heister & Deremer.)					
169, 239	Dering, George E., Lockleys, near Welwyn, England. Railway-rail joint.	Oct. 26, 1875	892	290	8	714
	Dering, H. A., et al. (See Peeler, Abner, assignor.)					
161, 271	Desbrough, George, assignor to Alexander H. Chapin, Utica, N. Y. Windmill.	June 8, 1875	410	137	7	997
160, 511	Des Georges, Gabriel, Montreal, Canada. Apparatus for the storage of petroleum.	Mar. 9, 1875	243	83	7	392
160, 310	Deshler, Edward, Allentown, Pa. Brick-machine.	Mar. 2, 1875	47	17, 18	7	355
	De Silets, Charles. (See Robinson, Clark, assignor.)					
170, 716	Despaquis, Pierre A., Paris, France. Process of preparing photo-plates for printing in fatty inks.	Dec. 7, 1875	57	.....	8	958
	Detrick, William. (See Frey & Eichholtz, assignors.) (Reissue.)					
	Detroit Stove Works. (See Carter, John V. B., assignor.) (Design.)					
	Same. (See Dwyer, James, assignor.) (Design.)					
	Same. (See Herrick, George W., assignor.) (Design.)					
	Same. (See Herrick, George W., assignor.) (Reissue.)					
158, 576	Detwiler, Abram K. (See Detwiler, John Y. and Abram K.)					
170, 066	Detwiler, John Y. and Abram K., Toledo, Ohio. Truck-marker for sewing-machines.	Jan. 12, 1875	213	73	7	54
	Detwiller, Henry J., assignor to Herman A. Doster and Charles W. Roepper, Bethlehem, and William J. Taylor, Chester, Pa. Explosive compound.	Nov. 16, 1875	736	.....	8	846
170, 067	Same. Detonating railway-signal.	Nov. 16, 1875	737	234	8	846
163, 751	Deutsch, Sigmund, Philadelphia, Pa. Overalls.	May 25, 1875	978	310	7	906
167, 877	Devendorf, Lucien B., Utica, N. Y. Wagon-spring.	Sept. 21, 1875	473	150	8	489
	Devine, Edward, et al. (See McWilliams, Michael, assignor.)					
165, 804	Devine, Edward, assignor to self and Michael McWilliams, Detroit, Mich. Metal-bending machine.	July 20, 1875	662	203	8	124
	Devinney, Caleb D. (See Westwood, John T., assignor.)					
	Devoc, Benjamin G. (See Walker & Devoc.)					
171, 217	Devoc, Benjamin G., Kenton, and George R. Mease, Upper Sandusky, Ohio. Convertible revolving barrow.	Dec. 21, 1875	562	185	8	1040
	Devoc Manufacturing Company. (See Miller, Herman, assignor.) (Design.)					
162, 538	Devol, F. S., et al. (See Van Dusen, Charles, assignor.)					
168, 826	Devor, James R., Goshen, Ind. Mechanical movement.	Apr. 27, 1875	903	289	7	714
165, 715	Devore, Levi M., Yellow Creek, Ill. Wire-fence barb.	Oct. 19, 1875	546	179	8	658
168, 327	Dewald, Edward, Cayville, Kans. Windmill.	July 20, 1875	578	176 } 177 }	8	112
	Dewald, Matthew J., Chicago, Ill. Coffee-pot.	Oct. 5, 1875	11	4	8	566
	Dewar, John R. (See Fowler & Dewar.)					
170, 472	Dewese, Joseph R., Dayton, Ohio. Fastener for the meeting-rails of sashes.	Nov. 30, 1875	1146	361	8	918
159, 804	Dewers, Edmund C., Towanda, Pa. Mowing-machine.	Feb. 16, 1875	549	183	8	273
171, 270	Dewcs, Abednego, Brooklyn, N. Y. Knife for cutting paper-collar blanks.	Dec. 21, 1875	614	200	8	1047
	Dewey, Charles H. (See Dewey & Palmer, assignors.)					
	Same. (See Palmer & Dewey, assignors.)					
161, 599	Dewey, Edmund H. (See Palmer & Dewey.)					
169, 680	Dewey, Edmund H., and Charles H. Palmer, New York, assignors to Charles H. Dewey, Brooklyn, N. Y. Steam-valve.	Apr. 6, 1875	10	4	7	570
170, 825	Dewey, Hiram T., Brooklyn, N. Y. Sign-plate.	Nov. 9, 1875	356	113	8	789
163, 465	Dewey, John J., Hartford, Vt., assignor to George S. Harwood and George H. Quincy, Boston, Mass. Feeding-apparatus for carding-machines.	Dec. 7, 1875	153	51	8	971
166, 510	Dewey, Orville C., Wheeling, W. Va. Cotton-gin.	May 18, 1875	705	225	7	863
	Dewey, Stanley M., New York, N. Y. Station-indicator.	Aug. 10, 1875	323	98	8	252
	Dewey, Washington. (See Scofield, Edward S., assignor.)					
170, 533	Dewitt, James, Kansas City, Mo., assignor to self, John S. McCrum, Benjamin S. Henning, Henry J. Fisher, and Sanders Dewitt. Fire-proof paint.	Nov. 30, 1875	1200	.....	8	926
165, 076	De Witt, John L., assignor of one-half interest to Nelson La Force, Gardner, Ill. Hay and cotton press.	June 29, 1875	1179	379	7	1123
	Dewitt, Sanders, et al. (See Dewitt, James, assignor.)					
170, 159	Dewolf, Charles A., Wyoming, Ill. Wagon-body.	Nov. 23, 1875	849	266	8	868
	Dewsnap, George W. (See Dimond, Alban F., assignor.)					
167, 878	Dexter, Albert J., Saint Louis, Mo. Copying-ink.	Sept. 21, 1875	473	.....	8	489
165, 216	Dexter, John C., and Edgar V. Tanner, Florence, Mass. Skato.	July 6, 1875	71	20	8	18
	Dexter Spring Company. (See Thompson, Orrin B., assignor.)					



Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 370	Deymann, Henry, and Edward Melchers, Toledo, Ohio. Still .....	Nov. 16, 1875	648	203	8	634
162, 354	Deyo, John W., Baton Rouge, La. Bale-tie .....	Apr. 20, 1875	707	230	7	681
167, 313	Deyoe, Clifford P., assignor of one-half interest to Daniel R. Pratt, New York, N. Y. Railway-switch .....	Aug. 31, 1875	1107	348	8	389
169, 090	De Zeng, Henry L., Geneva, N. Y. Curtain-fixture .....	Oct. 26, 1875	765	248	8	695
169, 091	Same..... Lamp-triummer .....	Oct. 26, 1875	765	248	8	695
169, 785	Same..... same .....	Nov. 9, 1875	471	149	8	604
	D'Heurcuse, R. (See Schumacher, Gustav, assignor.)					
	Dibble, Andrew. (See Scott & Granger, assignors.)					
170, 242	Dibble, Andrew J., Franklin, assignor to self and David G. Landon, Delhi, N. Y. But-ter-package .....	Nov. 23, 1875	925	288	8	878
168, 726	Dibble, Noah H., Chicago, Ill. Mariner's compass .....	Oct. 11, 1875	392	129	8	628
161, 869	Dibble, Theodore H., Trenton, N. J. Window-cornice .....	Apr. 13, 1875	259	86	7	617
161, 767	Dibel, Henry, Ridgeway, Pa. Running-gear for carriages and wagons .....	Apr. 6, 1875	152	53	7	591
	Dick & Church. (See Simpson, John, assignor.)					
6, 823	Dick, Andrew, Hamilton, Canada, assignor to self, John Hall, and William K. Muir. Signal-light for locomotives..... (Reissue) .....	Dec. 28, 1875	985	319	8	1166
	Dick, Charles J. A. (See Giffard, Paul, assignor.)					
164, 677	Dick, Herman M., Shelby, Ohio. Mail-bag catch .....	June 22, 1875	799	262	7	1066
167, 074	Dick, James M., Buffalo, N. Y. Wool-drier .....	Aug. 24, 1875	871	272	8	348
	Dick, Lewis E. (See Munson & Dick.)					
170, 068	Dick, Robert, Buffalo, N. Y. Addressing-machine .....	Nov. 16, 1875	738	231	8	846
170, 069	Same..... same .....	Nov. 16, 1875	740	{ 234 } { 235 }	8	846
	Dick, Thomas S. (See Ford, Thomas P., assignor.)					
168, 624	Dick, William A., Cleves, Ohio. Corn-husker .....	Oct. 11, 1875	308	100	8	616
166, 970	Dickenson, Joseph L., Hempstead, N. Y. Center-board .....	Aug. 24, 1875	775	239	8	334
168, 827	Dickerson, Henry J., Appleton, Wis. Combined shutter-worker, blind-slat adjuster, and sash-fastener .....	Oct. 19, 1875	546	179	8	658
169, 825	Dickerson, Samuel H., assignor to self, Benjamin F. Stanley, and William A. McCallum. Cincinnati, Ohio. Pipe-tongs .....	Nov. 2, 1875	96	30	8	748
168, 727	Dickerson, Theodore J., assignor of one-half interest to Christopher G. Gibbard, Auburn, N. Y. Wringer .....	Oct. 11, 1875	393	129	8	628
	Dickey, Andrew. (See Perry, Dickey & Liddle.)					
166, 349	Dickey, Julius C., Franklin, Pa. Oil-still .....	Aug. 3, 1875	148	46	8	220
	Dickey, T. B., et al. (See Stevens, John, assignor.)					
164, 532	Dickinson, Elbridge, Marshall, Mo. Scraper .....	June 15, 1875	661	214	7	1038
166, 240	Dickinson, Samuel C., Washington, D. C. Cloth-winding machine .....	Oct. 26, 1875	893	250	8	714
	Dickinson, William J. (See Hurlburt J. Burrell, assignor.)					
166, 856	Dickson, Gilbert J., Albany, N. Y. Locking-latch .....	Aug. 17, 1875	650	202	8	308
159, 650	Dickson, Joseph R., Tupelo, Miss. Bee-hive .....	Feb. 9, 1875	381	126	7	245
161, 391	Diebold, Charles, Lebanon, Pa. Tile-molding machine .....	Mar. 30, 1875	1091	354	7	530
170, 717	Same..... Disintegrating furnace-slag .....	Dec. 7, 1875	59	17	8	958
	Diehl, Justus. (See Behning & Diehl.)					
168, 625	Diehl, William H. B., Richland Center, Pa. Harness .....	Oct. 11, 1875	309	100	8	616
159, 909	Dierker, Diedrich, Cincinnati, Ohio. Shaft-banger .....	Feb. 16, 1875	646	214	7	286
6, 548	Dierkes, Henry A., New York, N. Y. Door-bell .....	July 20, 1875	767	235	8	139
170, 940	Dieterichs, Emil F., Philadelphia, Pa. Process of treating leather to make it water-repellent .....	Dec. 14, 1875	272	.....	8	994
	Dietz, Gregor. (See Cohen & Dietz.)					
165, 550	Dietz, Robert E., New York, N. Y. Device for thawing frozen water-pipes .....	July 13, 1875	413	124	8	73
	Differential Gearing Company. (See Gordon, Myers, Telford & Hubbard, assignors.)					
133, 302	Dike, Edward G., New York. Laundry-register .....	May 18, 1875	563	180	7	844
164, 980	Dike, Solon, Detroit, Mich. Cotton-press .....	June 29, 1875	1097	354	7	1112
167, 511	Diger, Theodore, and William R. Dunn, Alton, Ind., assignors to selves and Abraham N. Peckinpangh. Saw-mill head-block .....	Sept. 7, 1875	114	36	8	422
168, 320	Dilks, Joseph W., Washington, D. C. Means for raising and lowering propellers .....	Oct. 5, 1875	54	19	8	372
171, 271	Dillan, Francis, Walcott, N. Y. Bob-sled .....	Dec. 21, 1875	614	201	8	1047
171, 103	Dillaway, Joseph B., Boston, Mass. Hat-ventilator .....	Dec. 14, 1875	422	140	8	1014
167, 879	Dilley, John W., Macomb, Ill. Combined harrow and cultivator .....	Sept. 21, 1875	474	150	8	489
159, 161	Dillon, Ira B., Visalia, Cal. Sheep scratch-box .....	Jan. 26, 1875	790	257	7	155
169, 681	Same..... same .....	Nov. 9, 1875	357	113	8	790
169, 092	Dillon, James Lynn, Mass. Pump-box .....	Oct. 26, 1875	766	249	8	695
	Dillon-Lee, Marmaduke R. S. (See Hart & Dillon-Lee.)					
	Dilworthy, William, jr., et al. (See McConway, William, assignor.)					
8, 574	Dimmet, Arthur B., Bloomington, Ill. Picture frame..... (Design) .....	Aug. 24, 1875	.....	.....	8	322
	Dimmock, William C. (See Norris, Bowers & Dimmock.)					
	Dimock, George. (See Dimock, Ira and George.)					
159, 651	Dimock, Ira, Boston, and George Dimock, Leeds, Mass. Machine for printing spools .....	Feb. 9, 1875	382	127	7	245
159, 397	Dimock, Lucius, Northampton, Mass. Drop-wire for stopping mechanisms .....	Feb. 2, 1875	138	47	7	204
	Dimock, Martial, assignor to Clark Thread Company, Newark, N. J. Mold for casting bobbins .....	Feb. 2, 1875	139	48	7	204
160, 008	Same..... Machine for casting bobbins .....	Feb. 23, 1875	757	251	7	308
171, 604	Dimond, Alban F., assignor of one-half interest to George W. Dewnsnap, Pittsbnrgh, Pa. Circular-saw tooth .....	Dec. 28, 1875	932	305	8	1099
167, 441	Dimpfel, Frederick P., Baltimore, Md. Furnace .....	Sept. 7, 1875	56	17	8	414
160, 399	Dimpfel, George L., Benicia, Cal. Music-leaf turner .....	Mar. 2, 1875	124	45	7	367
165, 077	Dinkel, George, assignor to F. O. Matthiessen, and Wiechers Sugar Refining Company, Jersey City, N. J. Centrifugal machine .....	June 29, 1875	1180	379	7	1123
168, 723	Dinkel, George, and Walter R. Elmenhorst, Jersey City, N. J. Machine for splitting hard sugar .....	Oct. 11, 1875	394	129	8	628
166, 194	Dinke, James A., Nehemiah Embody, and Samuel Bradley, Mauch Chunk, Pa. Time-signal for railways .....	Aug. 3, 1875	11	4	8	200
160, 512	Dinsmore, Alfred S., Boston, Mass. Sewing-machiuic .....	Mar. 9, 1875	244	84	7	392
165, 484	Dinsmore, John, Denver, Colo. Car-coupling .....	July 13, 1875	334	104	8	64
168, 381	Dippert, William, Des Moines, Iowa. Harness-pad press .....	Oct. 5, 1875	55	20	8	572
160, 753	Disbrow, Henry G., Newark, N. J., assignor to self and William A. Brown, Newton, Mass. Pouncing-block .....	Mar. 16, 1875	479	156	7	432
160, 260	Disney, Mordecai, Oakland, assignor of one-half interest to Henry C. Kibbee, San Francisco, Cal. Ticket-clasp .....	Mar. 2, 1875	6	3	7	350
159, 162	Disney, William, Cincinnati, Ohio. Wood pavement .....	Jan. 26, 1875	790	259	7	155
	Disston & Sons, Henry. (See Disston, Thomas S., assignor.)					
	Disston, Albert H., et al. (See Disston & Shoemaker, assignors.)					
162, 355	Disston, Charles, Philadelphia, Pa. Plasterer's trowel .....	Apr. 20, 1875	708	230	7	681
	Disston, Hamilton, et al. (See Disston & Shoemaker, assignors.)					

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158, 921	Disston, Henry, Philadelphia, Pa. Hand-saw	Jan. 19, 1875	551	183	7	115
163, 162	Same..... Saw-set	May 11, 1875	414	135	7	809
167, 996	Same..... Hand-saw	Sept. 21, 1875	562	181	8	503
169, 343	Same..... Saw-buck	Nov. 2, 1875	19	6	8	737
159, 652	Disston, Henry, and Charles T. Shoemaker, assignors to Henry, Hamilton, and Albert H. Disston, Philadelphia, Pa. Tempering steel plates	Feb. 9, 1875	385	127	7	246
163, 163	Disston, Thomas S., assignor to self and Henry Disston & Sons, Philadelphia, Pa. Saw-gumner	May 11, 1875	414	135	7	809
165, 805	Disston, Thomas S., Philadelphia, Pa. Rotary blower	July 21, 1875	662	203	8	124
	Dithridge & Co. (See Attebury, Thomas B., assignor.)					
161, 014	Dittenhafer, Henry, Bloomville, Ohio. Miter-box	Mar. 23, 1875	715	236	7	473
158, 922	Dittenhoefer, Myer, St. Denis, France. Comb	Jan. 19, 1875	551	183	7	115
168, 558	Dittmar, Casper, Leacock, Pa. Railway-rail joint	Oct. 11, 1875	241	79	8	666
6, 645	Dittmar, Carl, assignor to Maria Dittmar, Boston, Mass. Explosive compound. (Re-issue.)	Sept. 14, 1875	412		8	472
	Dittmar, Maria. (See Dittmar, Carl, assignor)					
165, 078	Dittrich, Robert, Pittsburg, Pa. Extinguisher for oil-tanks	June 29, 1875	1181	380	7	1123
	Divine, John F. (See Lucas, Christian E., assignor.)					
161, 104	Dixon, Charles, Weedsport, N. Y. Wagon-seat fastening	Mar. 23, 1875	803	263	7	484
	Dixon, George B., et al. (See Dixon, Thomas N., assignor)					
	Dixon, Hasty S. (See Klar & Dixon)					
	Dixon, Henry P., et al. (See Dixon, Thomas N., assignor)					
162, 982	Dixon, John W., West Manunk, Pa. Apparatus for the manufacture of paper-pulp	Oct. 5, 1875	55	20	8	572
163, 643	Dixon, Joseph, New York, N. Y. Ventilation of railway-tunnels, &c	May 25, 1875	889	281	7	894
8, 065	Dixon, Thompson N., assignor to self and George B. and Henry P. Dixon, Philadelphia, Pa. Gas fire-log	Feb. 16, 1875			7	261
	Dixon, Stephen, Roseville, Ill. Seeding-machine	Jan. 5, 1875	48	17	7	16
158, 407	Same..... Combined stalk-cutter, plow, and seeding-machine	Jan. 5, 1875	49	17, 18	7	16
158, 408	Same..... Combined stalk-cutter, plow, and seeding-machine	Jan. 5, 1875	49	17, 18	7	16
160, 311	Dixwell, George B., Boston, Mass. Reciprocating steam-engine	Mar. 2, 1875	48	18, 19	7	376
160, 400	Same..... Pyrometer for steam-engines	Mar. 2, 1875	126	46	7	367
160, 401	Same..... Pyrometrical indicator for steam-engines	Mar. 2, 1875	128	46	7	367
160, 688	Same..... Reciprocating engine	Aug. 17, 1875	497	152	8	286
170, 534	Doan, Daniel, Springville, Iowa. Weather-strip	Nov. 30, 1875	1201	379	8	926
158, 923	Doan, Riley R., Sacramento, Cal. Road-engine	Jan. 19, 1875	552	183	7	115
	Doan, W. H. (See Tally, Thomas, assignor)					
165, 806	Doane, Sharron P., San Francisco, Cal. Sharpening-rifle	July 20, 1875	664	203	8	124
6, 773	Doane, William H., and William E. London, assignors, by mesne assignments, to J. A. Fay & Co., Cincinnati, Ohio. Combined planing and matching machines. (Re-issue.)	Nov. 30, 1875	1322	{ 417 418 }	8	942
167, 749	Doane, William H., and George W. Passel, assignors to J. A. Fay & Co., Cincinnati, Ohio. Planing-machine	Sept. 14, 1875	337	108	8	461
170, 349	Same..... Hand-planing machine	Nov. 23, 1875	1016	319	8	892
	Dobbins, Leander. (See Saladee, Cyrus W., assignor)					
166, 511	Dobbs, John, and Benjamin F. Booth, Victor, Iowa. Wire-barb pinchers	Aug. 10, 1875	324	98	8	252
171, 104	Same..... Barbed-wire fence	Dec. 14, 1875	423	141	8	1014
171, 105	Same..... Barbed fence-wire	Dec. 14, 1875	424	141	8	1014
160, 754	Dobbs, Seneca, and William M. Brayton, Rochester, N. Y. Picture-frame hanger	Mar. 16, 1875	479	157	7	432
159, 805	Dobson, William T., Pana, Ill. Method of tubing wells	Feb. 16, 1875	550	183	8	273
	Dobson, Edmund. (See Wormald & Dobson)					
	Dobson, James. (See Dobson, John and James)					
	Dobson, James, et al. (See Webster, John T., assignor)					
	Dobson, John, et al. (See Webster, John T., assignor)					
165, 716	Dobson, John and James, Philadelphia, Pa. Carding-machine	July 20, 1875	579	177	8	113
167, 075	Deckray, Charles, Zanewise, Ohio. Core-barrel	Aug. 24, 1875	872	272	8	318
165, 217	Deckstader, Preston C., Lyndon, Ill. Device for raising and lowering cattle-racks on platform-scales	July 6, 1875	72	21	8	18
161, 392	Dodd, Alvin H., New York, N. Y. Protractor	Mar. 30, 1875	1092	355	7	530
169, 527	Dodd, Robert J., Crawfordsville, Ind., assignor to self, Taylor Buffington, Walter S. Casad, Noah Wilkinson, and D. W. Millholland. Weather-board gage	Nov. 2, 1875	183	62	8	760
165, 551	Dodds, Albert G., assignor, by mesne assignments, of part interest to E. T. Best and A. C. Wilcox, Chariton, Iowa. Trace-buckle	July 13, 1875	414	124	8	73
	Doods, Walter S. (See Perkins & Doods)					
6, 339	Dodenhoff, Israel, deceased, assignor, by mesne assignments, to Walter A. Wood Mowing and Reaping Machine Company, Hoosick Falls, N. Y. Harvester (Reissue)	Mar. 16, 1875	693	{ 227 228 }	7	462
162, 131	Dodge, Edward B., Peterborough, N. H. Spring bed-bottom	Apr. 27, 1875	978	314	7	724
169, 154	Dodge, Frank L., and Charles E. Smith, Grand Rapids, Mich. Mold for casting door-plates	Oct. 26, 1875	820	266	8	703
159, 398	Dodge, Franklin, Union Grove, Ill. Peat-machine	Feb. 2, 1875	140	48	7	204
6, 242	Dodge, Levi, Waterford, N. Y. Baling-press	Jan. 19, 1875	650	213	7	127
6, 243	Same..... Hay, straw, and other bales	Jan. 19, 1875	653	213	7	128
166, 857	Dodge, Lucius A., Keeseville, N. Y. Feed device for nail-forging machines	Aug. 17, 1875	653	203	8	309
	Dodge, Theodore A., trustee. (See Gillespie, James E., assignor)					
	Dodge, William E. (See Hagler & Dodge)					
	Dodge, William A. (See Scott, Samuel, assignor)					
166, 350	Dodge, William C., Washington, D. C. Cup for effervescing drinks	Aug. 3, 1875	149	46	8	221
	Dodge, William F. (See Hawkins & Dodge)					
	Dodge, William F., et al. (See McDonough, Thomas, assignor)					
169, 426	Dodson, Silas, Rochester, N. Y. Grain-decoricator	Nov. 2, 1875	97	30	8	748
162, 223	Doe, William, Reno, Pa. Nozzle for oil-cans	Apr. 20, 1875	585	192	7	666
163, 303	Doeg, Isacher W., assignor of one-half interest to Orrin Murray, New Market, N. H. Machine for making washers	May 18, 1875	564	{ 180 181 }	7	844
	Doerr, George. (See Goldreich, Joseph, assignor)					
161, 768	Doherty, Patrick W., Boston, Mass. Self-closing faucet	Apr. 6, 1875	153	53	7	591
170, 070	Same..... Molding apparatus	Nov. 16, 1875	741	235	8	847
	Dohm, Louis. (See Schauble & Dohm)					
	Dolan, A., et al. (See Irvin, Thomas W., assignor)					
	Doland, Frank F. (See Scherb & Doland)					
165, 218	Doland, Frank F., and Francis Scherb, Sacramento, Cal. Vehicle-spring	July 6, 1875	72	21	8	19
	Dolbear, C. H., et al. (See Stearns, Charles A., assignor)					
171, 272	Dole, James A., Bangor, Me. School desk	Dec. 21, 1875	615	201	8	1047
166, 512	Dolph, George C., and Frank J. Smith, West Andover Township, Ohio. Cheese-press	Aug. 10, 1875	325	98	8	253
169, 241	Doman, John, Bay City, Mich. Track-clearer	Oct. 26, 1875	894	291	8	714
	Domestic Sewing Machine Company. (See Powell, Edward, assignor)					
	Donahue, Thomas. (See Taylor & Donahue)					
	Donald, David. (See Crumbie & Donald)					

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	Donaldson, Margaret, administratrix. (See Donaldson, Richard).....(Extension.)					
	Donaldson, Richard, deceased, by Margaret Donaldson, administratrix, Logansport, Ind. Lime-kiln.....(Extension)	Feb. 18, 1875			7	386
31, 445	Donaldson, Richard, Mount Nebo, Pa. Lime-kiln.....(Disclaimer filed)	Feb. 18, 1875			7	387
161, 393	Donaldson, Robert B., Washington, D. C. Dental plugger.....	Mar. 30, 1875	1093	355	7	530
171, 106	Same.....Vulcanized-rubber handle for dental tools, &c.....	Dec. 14, 1875	424	141	8	1014
169, 786	Donath, Ferdinand A. H., and Carl E. F. Jasper, Dresden, Saxony. Cigar-machine.....	Nov. 9, 1875	472	149	8	804
167, 314	Douley, William J., Camden, N. J. Joiner's clamp.....	Aug. 31, 1875	1109	349	8	389
167, 997	Donn, Wilton C., administrator. (See Gabn, Henrik.)					
	Donnellan, Charles E., assignor to self, B. R. McCord, and William M. Wheatley, Indianapolis, Ind. Grain-binder.....	Sept. 21, 1875	563	{ 181 } { 182 }	8	503
163, 853	Dounelly, Martin, assignor of one-half interest to Harry E. Beach, Peoria, Ill. Side-bar wagon.....	June 1, 1875	16	5	7	933
167, 998	Dounelly, Peter D., assignor of one-half interest to Samuel Bissicks, New York, N. Y. Valve for water-closets.....	Sept. 21, 1875	566	183	8	503
166, 971	Donner, Carl P., San Francisco, Cal. Horseshoeing-tool.....	Aug. 24, 1875	776	239	8	334
160, 655	Donner, John O., New York, N. Y. Centrifugal sugar-machine.....	Mar. 9, 1875	368	124	7	410
160, 656	Same.....Apparatus for the manufacture of hard sugar.....	Mar. 9, 1875	369	124	7	411
160, 657	Same.....Sugar-cutting machine.....	Mar. 9, 1875	370	125	7	411
160, 009	Donoghue, John F., Springfield, Mass. Anti-incrustation battery for boilers.....	Feb. 23, 1875	759	251	7	308
170, 350	Donohoe, Patrick O., Peru, Ill. Coal-shelling drill.....	Nov. 23, 1875	1017	319	8	892
169, 528	Donovan, David H., Bayonne, N. J. Material for chair-seats.....	Nov. 2, 1875	184	62	8	760
160, 816	Donovan, John, Carpentersville, Ill. Casting steel-faced anvils.....	Mar. 16, 1875	539	175	7	440
164, 272	Donovan, John E., Cincinnati, Ohio. Fluting-machine.....	June 8, 1875	411	{ 137 } { 138 }	7	997
171, 002	Donovan, William, New York, N. Y. Sink.....	Dec. 14, 1875	333	110	8	1002
	Doolittle, George. (See Armstrong & Doolittle.)					
	Doolittle Manufacturing Company. (See Doolittle, Thomas B., assignor.)					
163, 164	Doolittle, Thomas B., assignor to Doolittle Manufacturing Company, Bridgeport, Conn. Alarm fare register.....	May 11, 1875	416	135	7	609
166, 858	Doolittle, Thomas B., Bridgeport, Conn. Means for holding conductors' punches.....	Aug. 17, 1875	654	203	8	309
170, 351	Same.....Register.....	Nov. 23, 1875	1018	319	8	892
165, 661	Doolittle, Thomas B., and James M. Ellis, Bridgeport, Conn. Device for making tabs for wire fences.....	July 20, 1875	530	162	8	106
161, 600	Doray, Onesiphore P., Worcester, Mass. Machine for making rope-moldings.....	Apr. 6, 1875	11	4, 5	7	570
159, 806	Doremus, William T., New York, N. Y. Chair.....	Feb. 16, 1875	551	183	7	273
161, 671	Same.....Tilting chair.....	Apr. 6, 1875	72	26	7	579
163, 054	Same.....Chair-base.....	May 11, 1875	314	101	7	795
165, 717	Same.....same.....	July 20, 1875	550	177	8	113
165, 718	Same.....same.....	July 20, 1875	550	178	8	113
168, 383	Same.....Base for revolving chairs.....	Oct. 5, 1875	57	20	8	573
166, 513	Dorgan, Joseph H., Plattsburgh, N. Y. Horseshoe.....	Aug. 10, 1875	325	98	8	253
169, 787	Doriot, Victor, Bristol, Tenn. Watch-plate.....	Nov. 9, 1875	474	150	8	804
	Dorke, Joseph M. (See Hill, John R., assignor.)					
	Dorlan, Samuel B. (See White, J. Atwood, assignor.)					
170, 352	Dorlan, Samuel B., Dorlan's Mills P. O., Chester County, Pa. Composition for sizing....	Nov. 23, 1875	1019		8	892
160, 513	Dorman, Jerry, Georgetown, D. C. Crane.....	Mar. 9, 1875	245	84	7	392
162, 156	Dorman, Jerry, and Thomas G. Good, Georgetown, D. C. Propelling and steering apparatus for vessels.....	Apr. 20, 1875	524	173	7	659
164, 273	Dorman, John F. W., Baltimore, Md. Hand-stamp.....	June 8, 1875	411	138	7	997
159, 653	Dorman, John, Philadelphia, Pa. Loom.....	Feb. 9, 1875	386	{ 127 } { 128 } { 129 }	7	246
165, 807	Same.....Bobbin-winder.....	July 20, 1875	665	203	8	124
160, 010	Dorr, Henry S., Dayton, and Henry Seyfert, Cincinnati, Ohio. Wood-filling compound....	Feb. 23, 1875	760		7	308
158, 476	Dorr, Russell R., Burlington, Iowa. Clothes and hat rack.....	Jan. 5, 1875	111	37	7	24
161, 936	Dorr, Warren, assignor of part interest to Joseph L. Mitchell and George W. Colburn, Gardiner, Me. Car-coupling.....	Apr. 13, 1875	319	106	7	625
	Dorr, William A. (See Webster, Dorr & McClenathan.)					
	Dorrington, William J. (See King, George B., assignor.)					
161, 870	Dorrison, Samuel A., Clinton, Mass. Metal switch for killing insects.....	Apr. 13, 1875	260	87	7	617
	Dorsey, Daniel W., et al. (See Hays, Joseph S., assignor.)					
	Dos Passos, J. R., et al. (See Cook, Thomas, assignor.)					
163, 055	Doster, Herman A., et al. (See Detwiler, Henry J., assignor.)					
	Doty, Alfred W., Windham Centre, N. Y. Carriage-clip.....	May 11, 1875	315	101	7	795
	Doty, Peter B. (See Osborn, Merriam & Doty.)					
168, 539	Doty, Peter B., Conneaut, Ohio. Artificial stone.....	Oct. 11, 1875	241		8	606
	Doubleday, H. H. (See Weed, James A., assignor.)					
160, 885	Doubleday, Samuel, Baltimore, Md. Bronze alloy.....	Mar. 16, 1875	595		7	448
166, 351	Same.....Car-brake.....	Aug. 3, 1875	150	47	8	231
167, 999	Doubler, John W. H., assignor of one-half interest to William V. T. Cramer, Philadelphia, Pa. Mechanical motor.....	Sept. 21, 1875	567	183	8	503
168, 729	Doubler, John W. H., assignor of one-half interest to George F. Godley, Philadelphia, Pa. Equalizer of spring-power.....	Oct. 11, 1875	395	130	8	639
168, 626	Dougherty, Andrew, Brooklyn, N. Y. Playing-card.....	Oct. 11, 1875	310	101	8	616
168, 239	Dougherty, George H., assignor of one-half interest to Charles F. Marquard, Jersey City, N. J. Street-lamp signal for locating fire-plugs.....	Sept. 28, 1875	821	261	8	545
158, 630	Dougherty, James, New York, N. Y. Blind-stop.....	Jan. 12, 1875	261	89	7	61
168, 000	Dougherty, John S., assignor to self and Rodney Ellis, South Bay City, Mich. Rowlock.....	Sept. 21, 1875	568	183	8	504
	Dougherty, William E. (See Boyden, William A., assignor.)					
163, 304	Doughty, Philander M., Louisville, Ky. Safety-pin.....	May 18, 1875	566	181	7	844
168, 627	Same.....Fire-extinguisher.....	Oct. 11, 1875	310	101	8	616
	Douglas, B., et al. (See Douglas, Joseph W., assignor.)					
	Douglas, Benjamin. (See Douglas, Joseph W., assignor.)					
6, 701	Douglas, Charles A., Franklin, N. Y. Faucet.....(Reissue)	Oct. 19, 1875	726	239	8	683
6, 744	Same.....Milk-cooler.....(Reissue)	Nov. 16, 1875	821	259	8	857
158, 786	Douglas, Joseph W., assignor to W. and E. Douglas, Middletown, Conn. Lining pump-cylinders.....	Jan. 19, 1875	419	141	7	98
167, 195	Douglas, Joseph W., assignor of one-half interest to Benjamin Douglas, Middletown, Conn. Water-hydrant.....	Aug. 3, 1875	12	4	8	200
	Douglas, W., et al. (See Douglas, Joseph W., assignor.)					
164, 533	Douglass, Joseph B., and Elijah S. Green, Columbia, Mo. Insect-destroying composition.....	June 15, 1875	662		7	1039
	Douglass, Sumnerfield. (See Christolm, George D., assignor.)					
166, 919	Douglass, William H., assignor to C. H. Smith, Chicago, Ill. Weather-strip.....	Aug. 24, 1875	725	225	8	325

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170, 665	Douthett, William C., Springdale, assignor of part interest to Jesse D. Snyder, Williamsport, and James E. Karns, Springdale, Pa. Mowing-machine	Dec. 7, 1875	10	3, 4	8	952
	Douty, William H. (See Jones, Diodorus S., assignor.)					
	Dover Fruit and Vegetable Preserving Company. (See Register, John E., assignor.)					
	Dover Stamping Company. (See Earle, Timothy, assignor.) (Reissue.)					
	Same..... (See Whitney, Edward H., assignor.)					
160, 261	Dovey, James F. (See Spicer & Insull, assignors.)	Mar. 2, 1875	6	3	7	350
163, 366	Dow, Joseph L., Manchester, N. H. Shuttle-guard for looms	May 18, 1875	620	198	7	852
167, 442	Dow, Sherburne S. (See Crocker, Samuel E., assignor.)	Sept. 7, 1875	56	17	8	414
168, 146	Dowd, Olney B., New York, N. Y. Pneumatic dispatch apparatus	Sept. 28, 1875	743	234	8	534
167, 831	Same..... Tunneling-machine	Sept. 21, 1875	475	150	8	489
169, 242	Downing, Thomas, assignor to self and Israel C. Mayo, Gloucester, Mass. Pump	Oct. 26, 1875	895	291	8	714
167, 390	Downer, Phyleman A., Canton, assignor to Lewis Cornell and Enos Slosson, Chicago, Ill. Washing-machine	Sept. 7, 1875	10	3	8	408
167, 889	Downing, Burton J., and Harry D. Van Campen, Dayton, Ohio. Horse hay-rake	Sept. 21, 1875	475	150	8	489
166, 079	Downing, Jerome F., Erie, Pa. Nursery-chair	July 27, 1875	938	290	8	174
165, 219	Downing, Joseph, sr., Allentown, Pa. Method of forming piles or fagots of old railway-trails	July 6, 1875	73	21	8	19
158, 631	Downing, Leverett H., North Andover, Mass. Hydraulic hose	Jan. 12, 1875	262	89	7	61
165, 159	Downing, Leverett H., North Andover, Mass., assignor to John A. Wiley. Hydraulic hose	July 6, 1875	12	4	8	10
159, 163	Downing, William R., Murfreesborough, Tenn. Combined harrow and roller	Jan. 26, 1875	791	260	7	155
162, 132	Downs, Isaac N., West Newton, Pa. Wagon-brake	Apr. 27, 1875	979	314	7	724
168, 238	Downs, William C., Bristol, R. I. Buckle	Sept. 28, 1875	820	261	8	545
162, 157	Dowus, William W., et al. (See Bloomer, William, assignor.)	Apr. 20, 1875	526	173	7	659
162, 158	Same..... Middlings-purifier	Apr. 20, 1875	527	173	7	659
164, 274	Doyle, John, Philadelphia, Pa. Method of destroying vermin and collecting the dust arising from carpet-beating machines	June 8, 1875	412	138	7	997
171, 109	Doyle, John, Hoboken, N. J. Rectangular-mortise cutter	Dec. 14, 1875	427	142	8	1015
162, 356	Doyle, Thomas, Bridgeport Centre, Mich. Saw-filing machine	Apr. 20, 1875	709	230	7	681
160, 755	Doyle, William, Albany, N. Y. Stove	Mar. 16, 1875	480	157	7	432
163, 583	Same..... Magazine stove	May 25, 1875	834	264	7	887
165, 919	Same..... Parlor cook-stove	July 27, 1875	785	241	8	153
165, 920	Same..... same	July 27, 1875	787	242	8	154
	Drago, Edward A. (See Wood & Drago.)					
166, 689	Drake, Chester T., Evanston, Ill., assignor, by mesne assignments, to Seth A. Mattison, Washington, D. C. Wagon-jack	Aug. 17, 1875	498	152	8	286
8, 872	Drake, Ezra M., New York, N. Y. Band-comb. (Design.)	Dec. 28, 1875			8	1076
	Drake, Henry L., et al. (See Smith, Aaron F., assignor.) (Reissue.)					
170, 622	Drake, Lawrence, New York, N. Y. Honey-package	Nov. 30, 1875	1290	408	8	937
169, 788	Drake, Levi F., assignor of one-half interest to Samuel Hughan, Brooklyn, N. Y. Burglar-alarm	Nov. 9, 1875	476	150	8	804
163, 165	Drake, Prince E., Bello Ewart, Canada. Railway car buffer	May 11, 1875	417	135	7	809
169, 789	Drake, Simcon H. (See Medbery, Mann & Drake.)					
	Drake, Simcon N., Galveston, Tex. Bale tie	Nov. 9, 1875	476	150	8	804
	Draper & Son, George. (See Allen, Nicholas L., assignor.)					
	Same..... (See Jenckes, Welcome, assignor.)					
	Same..... (See Wright, Daniel, assignor.)					
164, 275	Draper, Benjamin J., et al. (See Pitt, Frederic, assignor.)					
	Draper, Daniel, assignor to Guiseppe Taliabue, New York, N. Y. Registering-thermometer	June 8, 1875	413	138	7	997
164, 641	Draper, Elisha, London, Canada. Musical game apparatus	June 23, 1875	767	252	7	1062
	Draper, George, et al. (See Carroll, William T., assignor.) (Reissue.)					
170, 826	Draper, George, Hopdale, Mass. Spinning-ring holder	Dec. 7, 1875	154	51	8	971
171, 359	Same..... Bearing for journals	Dec. 21, 1875	688	228	8	1057
171, 508	Draper, Henry V. P., assignor of one-half interest to Peter B. Groat, Hannibal, Mo. Lubricating compound	Dec. 28, 1875	847		8	1086
171, 509	Same..... same	Dec. 28, 1875	848		8	1087
	Draper, Oliver D., et al. (See Smith, Almon J., assignor.)					
	Draper, William F., et al. (See Carroll, William T., assignor.) (Reissue.)					
	Draxton, Benjamin A. (See Osborn & Drayton.)					
	Dreimut, Thomas T. (See Goodnough & Dreunen.)					
168, 560	Drescher, Luis, New York, N. Y. Magneto-electric machine	Oct. 11, 1875	242	79, 80	8	606
165, 679	Dresser, Edwin, Cambridge, assignor to Cambridgeport Dairy Company, Cambridgeport, Mass. Band-fastener	June 29, 1875	1181	380	7	1124
170, 243	Dressler, Edward Gablonz, Bohemia, Austria, assignor to Alfred J. Ostheimer, Philadelphia, Pa. Paper-weight	Nov. 23, 1875	925	288	8	878
163, 305	Drew, George R., Millburn, N. J. Hub and axle for vehicles	May 18, 1875	566	181	7	844
166, 080	Dreyer, William C. (See Silver, Elisha, assignor.)					
166, 081	Dreyfus, Isidore, assignor to Nathan & Dreyfus, New York, N. Y. Apparatus for ejecting water	July 27, 1875	940	290	8	174
166, 082	Same..... Feed-water regulator	July 27, 1875	941	291	8	174
163, 752	Drinkhouse, Frank F., Phillipsburgh, N. J. Clamp for halters	July 27, 1875	943	291	8	174
	Driscoll, John B., New York, N. Y. Coal-hod	May 25, 1875	979	310	7	906
	Driscoll, John L. (See Schuster & Driscoll.)					
	Dronier, Pierre. (See Voisin & Dronier.)					
170, 333	Drucklieb, Julius, Jersey City Heights, N. J. Locking-latch	Nov. 23, 1875	1020	319	8	892
168, 001	Drummond, James F., New York, N. Y. Paint-can	Sept. 21, 1875	568	183	8	504
159, 164	Dryden, George, Worcester, Mass. Boring-machine	Jan. 26, 1875	792	260	7	155
	Dryfoos, Louis. (See Beek, August, assignor.)					
	Same..... (See Hauser, Isidor, assignor.)					
	Same..... (See Rogerson, Samuel, assignor.)					
161, 672	Dubbs, Henry, Franklin, Pa. Compound for decolorizing petroleum	Apr. 6, 1875	73		7	579
167, 076	Du Bois, Benjamin F. (See Klotz, Daniel H., assignor.)					
	Du Bois, Frederick N., New York, N. Y. Manufacture of lead-traps	Aug. 21, 1875	873	272	8	348
	Du Bois, Howard M. (See Davis & Du Bois.)					
165, 662	Du Bois, John, Williamsport, Pa. Spark-arrester	July 20, 1875	531	162	8	106
	Du Bois, Normann, et al. (See Slusser, Benjamin, assignor.) (Reissue.)					
6, 201	Du Bois, Orin, San Jose, Cal. Track-clearer for harvesters	Jan. 5, 1875	183	64	7	35
165, 986	Du Bois, Otto, Fall River, Mass. Machine for washing photographic prints	July 27, 1875	852	262	8	162

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164, 817	Dubose, Henry K., and Edgar W. Charles, jr., Camden, S. C. Bale-tie.....	June 22, 1875	931	301	7	1083
164, 079	Dubroy, Anthone, and John P. Wagner, Cleveland, Ohio. Extension-table.....	June 8, 1875	235	81	7	974
159, 165	Du Bruil, Napoleon, Cincinnati, Ohio. Cigar-mold.....	Jan. 26, 1875	793	260	7	155
161, 015	Same..... Machine for charging cigar-molds.....	Mar. 23, 1875	716	236	7	474
164, 981	Same..... Cigar-mold.....	June 29, 1875	1097	354	7	1112
166, 591	Same..... Cigar-bundling machine.....	Aug. 10, 1875	389	120	8	262
162, 043	Dubuisson, George W., Tom's River, N. J. Bleaching jute for paper-pulp.....	Apr. 13, 1875	403		7	636
167, 651	Duburn, Anthony M., Adrian, Mich. Lantern.....	Sept. 14, 1875	253	78, 79	8	449
164, 818	Duc, Henry A., jr., Charleston, S. C. Life-preserving apparatus.....	June 22, 1875	931	301	7	1083
168, 462	Duck, John H., Elgin, Ill. Pump for deep wells.....	Oct. 5, 1875	126	43	7	583
171, 360	Duck, Simeon, assignor to self and Joshua Davies, Victoria, British Columbia. Mortis- ing-machine.....	Dec. 21, 1875	689	227	8	1057
159, 654	Ducker, Edward, Springfield, Mass. Folding camp-stool.....	Feb. 9, 1875	389	130	7	246
167, 157	Ducsh, Henry, Baltimore, Md. Bushing for fire-tubes and flues of steam-boilers.....	Aug. 31, 1875	978	304	8	370
6, 786	Dudgeon, Eneas M., San Francisco, Cal. Hydraulic jack..... (Reissue.)	Dec. 7, 1875	253	85	8	984
162, 044	Same..... same.....	Apr. 13, 1875	405	136	7	636
171, 361	Dudley, Charles, assignor to O. B. North & Co., New York, N. Y. Snap-hook.....	Dec. 21, 1875	690	227	8	1057
160, 011	Dudley, Edward D., Galesburgh, Ill. Flat-iron heater.....	Feb. 23, 1875	760	251	7	308
161, 601	Dudley, George D., assignor to Edward P. Woods, Daniel Sherwood, and Cyrus H. Latham, Lowell, Mass. Broiler.....	Apr. 6, 1875	12	5	7	570
161, 937	Dudley, George D., Lowell, Mass., assignor to Edward P. Woods, Daniel Sherwood, and Cyrus H. Latham. Broiler.....	Apr. 13, 1875	319	107	7	625
158, 477	Dudley, Richard, Erie, Pa. Torsion-spring.....	Jan. 5, 1875	112	38	7	24
164, 819	Dueber, John C., Cincinnati, Ohio. Watch-key.....	June 22, 1875	932	302	7	1083
163, 753	Duerden, Lawrence L., Brooklyn, N. Y. Electrical-circuit closer.....	May 25, 1875	980	310	7	906
166, 754	Duesbury, Charles B., Mansfield, Mass. Method of attaching pins to brooches.....	Aug. 17, 1875	559	171	8	295
	Duever, Adolph T. (See Letz & Duever.)					
	Duff, P., et al. (See Todd, Westley, assignor)..... (Reissue.)					
8, 873	Duff, R. P., et al. (See Todd, Westley, assignor)..... (Reissue.)					
162, 086	Duff, William A., Philadelphia, Pa. Flag..... (Design.)	Dec. 28, 1875			8	1076
168, 062	Duffy, Frank B., Hastings, Mich. Plastic compound for making ornamental articles.....	Sept. 28, 1875	680		8	526
164, 910	Duffy, James, Quincy, Ill. Stove.....	Sept. 21, 1875	570	181	8	504
	Duffy, James F., assignor of one-half interest to Nicholas Schroeder, Chicago, Ill. Im- plement for stretching fence-wires.....	June 29, 1875	1037	334	7	1104
165, 220	Duffy, James F., and Nicholas Schroeder, Chicago, Ill. Barb for wire fences.....	July 6, 1875	73	21	8	19
164, 431	Duffy, Thomas T., Dubuque, Iowa. Blind-stop.....	June 15, 1875	578	187	7	1028
168, 561	Dufner, Bernhard, Buffalo, N. Y. Organ, &c.....	Oct. 11, 1875	244	80	8	606
164, 276	Dufour, Hillary and Peter C., and Ebenezer B. Rowe, Chicago, Ill. Machine for making fence-pickets.....	June 8, 1875	414	139	7	997
164, 534	Du Four, Joseph L. M., Bonndbrook, N. J. Car-window.....	June 15, 1875	662	214	7	1039
	Dufour, Peter C. (See Dufour & Rowe.)					
161, 871	Dugan, John, San Francisco, Cal. Hay-press.....	Apr. 13, 1875	260	87	7	617
160, 086	Dugdale, Charles R., Mason and Dixon, Pa., and Daniel Breed, Washington, D. C. Plow.....	Feb. 23, 1875	825	171	7	317
167, 652	Duggan, John A., assignor of one-third interest to John B. F. Ramsden, Quincy, Mass. Safety railway-switch.....	Sept. 14, 1875	253	79	8	449
164, 432	Duhamel, Victor, Easton, Pa. Hoisting-machine.....	June 15, 1875	519	187	7	1028
169, 529	Duhem, Constant, Denver, Colo. Galvanic battery.....	Nov. 2, 1875	184	62	8	760
	Duke, Mary A. (See Duke, William J. and Mary A.)					
170, 244	Duke, William J. and Mary A., Booneville, Miss. Shirt-front.....	Nov. 23, 1875	926	288	8	879
169, 629	Du Laney, George L., New York, N. Y. Tuck-folding attachment for sewing-machines.....	Nov. 9, 1875	365	98	8	723
169, 682	Same..... Sewing-machine.....	Nov. 9, 1875	358	113	8	790
170, 354	Dulin, William, Big Grove, Iowa. Tool for putting barbs on wire fences.....	Nov. 23, 1875	1020	320	8	892
170, 827	Same..... Instrument for aiding animals in giving birth.....	Dec. 7, 1875	155	52	8	971
163, 367	Duman, Stephen A., assignor to John Jr.bacher and Jacob Davis, Buffalo, N. Y. Faucet.....	May 18, 1875	622	169	7	852
	Dummer, Paul E. (See Malmström & Dummer.)					
170, 245	Dunbar, Alexander, Beechville, Canada. Horseshoe.....	Nov. 23, 1875	926	289	8	879
169, 155	Dunbar, Eugene J., Romulus, Mich. Pump-bucket.....	Oct. 26, 1875	821	266	8	704
	Dunbar, Eugene M. (See Dunbar, Stowell & Dunbar.)					
163, 166	Dunbar, Francis M., Nellie Stowell, and Eugene M. Dunbar, Kalamazoo, Mich. Gas- governor.....	May 11, 1875	418	136	7	809
164, 277	Dunbar, Henry D., North Hartland, Vt. Exhaust-nozzle for steam-engine.....	June 8, 1875	415	139	7	998
170, 941	Dunbar, Hiram P., and Thomas C. Lothrop, Boston, Mass. Rubber articles.....	Dec. 14, 1875	272	91	8	994
164, 535	Dunbar, John H., Philadelphia, Pa. Stand for barrel-churns.....	June 15, 1875	663	214	7	1039
164, 278	Dunbar, Robert, Mansfield Valley, and John Keegan, McDonald, Pa. Coal-chute.....	June 8, 1875	416	139	7	998
158, 632	Dunbrack, Charles S., assignor to Thomas Corey, trustee, Swampscott, Mass. Stitch- imitation and stitch-dividing mechanism.....	Jan. 12, 1875	262	89	7	61
158, 633	Dunbrack, Charles S., Swampscott, and William B. Vesey, Milford, Mass., assignors to Thomas Corey, trustee. Machinery for forming an imitation stitch upon the soles of boots or shoes.....	Jan. 12, 1875	263	89	7	61
171, 107	Duncan, Alexander, Duncan's Mills, Cal. Lifting-jack.....	Dec. 14, 1875	426	141	8	1015
162, 539	Duncan, Edward A., Washington, D. C., assignor of one-half interest to John Hailey, Boise City, Idaho. Preserving meat.....	Apr. 27, 1875	904		7	714
159, 910	Duncan, James, Buchanan, Mich. Lap-table for milliners, &c.....	Feb. 16, 1875	647	214	7	286
171, 108	Duncan, William A., Syracuse, N. Y. Clamp for washing-machines and wringers.....	Dec. 14, 1875	427	142	8	1015
164, 725	Duncklee, Horace L., Boston, Mass. Camp-stove.....	June 22, 1875	846	275	7	1072
167, 653	Dunderdale, Cleveland P., New York, N. Y. Hydraulic cement.....	Sept. 14, 1875	255	79	8	449
164, 433	Dung, Albert C., New York, N. Y. Composition for dentifrice.....	June 15, 1875	519		7	1028
	Dungan, Abel S. (See Roberts, Thomas, assignor.)					
167, 229	Dunham, Aaron S., Verona, N. Y. Weeding-hoe.....	Aug. 31, 1875	1038	322	8	378
	Dunham, George B. (See Joint & Dunham.)					
6, 295	Dunham, Henry, jr., Abington, assignor, by mesne assignments, to Gordon McKay, trustee, Boston, Mass. Machine for sewing boots and shoes..... (Reissue.)	Feb. 16, 1875	734	244	7	297
161, 216	Dunham, Humphrey B., Newark, N. J. Apparatus for charging a stream of water with carbonic-acid gas.....	Mar. 23, 1875	897	294 295	7	497
	Dunham, J. N., et al. (See Brettell & Lindsey, assignors.)					
163, 644	Dunham, John C., Buffalo, N. Y. Shirt.....	May 25, 1875	890	281	7	894
	Dunham, Moses E. (See Latcher & Dunham.)					
6, 279	Dunham, Ralph C., New Britain, Conn., assignor, by mesne assignments, to Andrew Albright, Newark, N. J. Rubber-coated buckle and ring..... (Reissue.)	Feb. 9, 1875	472	158	7	278
163, 979	Dunham, Thomas H., Boston, Mass. Treating tar.....	June 1, 1875	116	39	7	947
164, 154	Same..... Cordage.....	June 8, 1875	298		7	982
170, 828	Same..... Hose and tubing.....	Dec. 7, 1875	156		8	971
170, 829	Same..... Process for preserving cotton, hemp, and flax hose, belting, &c..... (Reissue.)	Dec. 7, 1875	156		8	971
	Dunks, Charles H. (See Tucker, Erwin W., assignor.)					
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163, 980	Dunlap, Ephraim L., Eustis, Me. Fish-hook	June 1, 1875	117	39	7	947
160, 886	Dunlap, Henry T., Galesburgh, Ill. Book-clip	Mar. 16, 1875	596	194	7	448
166, 972	Dunlap, Seymour, C. W. (See Williams, Samuel B., assignor.)					
163, 752	Dunlap, George, Williamsburgh, N. Y. Heel-plate	Aug. 24, 1875	777	239	8	334
163, 974	Dunn, George R., et al. (See McDonough, Thomas, assignor.)					
163, 530	Dunn, George W., Texas Creek, Colo. Water-wheel gate	May 25, 1875	981	311	7	906
162, 277	Dunn, John, Philadelphia, Pa. Clamp for attaching hammers, binders, &c., to sewing-machines.	Nov. 2, 1875	185	63	8	760
8, 161	Dunn, Joseph W., Corpus Christi, Tex. Vine-rake	Apr. 20, 1875	636	208	7	673
165, 921	Dunn, Matthew S., Rochester, N. Y. Work-stand (Design)	Feb. 23, 1875			7	302
	Dunn, Olivia H., Boston, Mass. Sleeve-protector	July 27, 1875	7e9	242	8	154
	Dunn, Samuel W. (See Barrett, Joseph, assignor.) (Design)					
171, 362	Dunn, Thomas C., Promise City, Iowa. Fly-trap	Dec. 21, 1875	691	227	8	1058
166, 514	Dunn, Thomas F., Saccharappa, Me. Wrench	Aug. 10, 1875	326	99	8	253
	Dunn, William H. B. (See Burville, James R., assignor.)					
	Dunn, William R. (See Dilger & Dunn.)					
168, 085	Dunn, William T., Pittsburgh, and James P. Silliman, Allegheny, Pa. Extensible brace for excavations	Sept. 28, 1875	679	215	8	526
165, 552	Dunnivant, James U., and William A. Hampson, Byhalia, Miss. Cultivator	July 13, 1875	414	125	8	74
	Dunning, A. J., et al. (See Brewer, Russell, assignor.)					
164, 982	Dunning, Almon S., Joliet, Ill. Bessemer converter	June 29, 1875	1098	354	7	1112
158, 577	Dunstone, Thomas, Santa Cruz, Cal. Sight for fire-arms	Jan. 12, 1875	214	73	7	54
168, 240	Dunton, Jacob, Philadelphia, Pa. Manufacture of pills	Sept. 28, 1875	821		8	545
	Dupont, John T. (See Hand & Dupont.)					
162, 907	Duport, Louis, Lyons, France. Hot-air furnace	May 4, 1875	156	51	7	767
168, 730	Dutand, Francois, and Ernest L. Marais, Paris, France. Apparatus for pressing or molding bricks	Oct. 11, 1875	398	130	8	629
	Durand, Frederic (See Stuart, Levi B., assignor.)					
159, 911	Durant, Edward G., Kenosha, Wis. Stand for flower pots and vases	Feb. 16, 1875	647	214	7	286
171, 472	Durant, Edward G., Racine, Wis. Globe-stand	Dec. 28, 1875	806	266	8	1061
	Durfee, Daniel M. (See Clute & Durfee.) (Reissue.)					
162, 159	Durfee, William F., assignor of one-half interest to James J. Hagenann, Milwaukee, Wis. Pile for bar-iron	Apr. 20, 1875	529	174	7	659
167, 077	Durfee, William F., Philadelphia, Pa. Turning Bessemer converters	Aug. 24, 1875	874	273	8	348
158, 578	Durfee, Zabeth S., New York, N. Y. Manufacture of piles for beams	Jan. 12, 1875	214	73	7	54
167, 078	Same..... Grate for generating gas for fuel	Aug. 24, 1875	875	273	8	348
167, 079	Same..... Fire-box for locomotive and other boilers	Aug. 24, 1875	876	273	8	349
167, 080	Same..... Vertical gas-burning boiler	Aug. 24, 1875	878	274	8	349
	Durham, James K., et al. (See Stewart, John W., assignor.)					
	Durham, J. K., et al. (See Goolsbee, John N., assignor.)					
165, 808	Durham, Nephthali A., Hartford, Conn. Dental forcep	July 20, 1875	666	201	8	124
161, 394	Düring, Charles A. A., and John Leck, New York, N. Y. Piano-stool	Mar. 30, 1875	1043	355	7	520
7, 9-8	Durkee, Eugene R., Brooklyn, N. Y. Bottle (Design)	Jan. 5, 1875			7	5
166, 755	Durlach, Elias, New York, N. Y. Toy store	Aug. 17, 1875	559	172	8	265
169, 243	Durno, Peter, Saint Louis, Mo. Journal-box	Oct. 26, 1875	896	291	8	714
159, 024	Duroy, Charles L., Pioneer, Ohio. Derrick	Jan. 26, 1875	673	219	7	138
162, 278	Dusenbury, William F., New York, N. Y. Carriage-spring	Apr. 20, 1875	637	208	7	673
170, 718	Dustin, Daniel G., Batavia, Ohio. Oil-can spout	Dec. 7, 1875	59	18	8	958
164, 536	Dutcher, Frank J., Hopedale, Mass. Holding and adjusting device for spinning-rings	June 15, 1875	663	215	7	1039
158, 409	Dutcher, George N. (See Fieldhouse, Joseph, assignor.)					
	Dutcher, Henry, Port Jervis, N. Y. Car-coupling	Jan. 5, 1875	51	18	7	16
	Dutcher Temple Company. (See Fuller, Albert D., assignor.)					
	Dutcher, Louis, San Francisco, Cal. Stone-cutting machine	Jan. 12, 1875	316	107	7	68
158, 491	Same..... Roasting apparatus	May 11, 1875	419	136	7	809
162, 167	Same..... Pavement	May 11, 1875	420	136	7	809
163, 168	Dutot, James. (See Walsh & Dutot.)					
	Dutton, Eliza C. (See Dutton, George F., assignor.)					
165, 987	Dutton, George F., assignor to Eliza C. Dutton, Farmington Falls, Me. Oiler	July 27, 1875	853	263	8	162
161, 673	Dutton, Leander K., Oskaloosa, Iowa. Burial-vault	Apr. 6, 1875	74	26	7	579
	Dutton, Rufus, Yonkers, N. Y. Harvester (Extension)	Feb. 11, 1875			7	386
	Dutton, Rufus, et al. (See Allen, Anthony B., assignor.) (Reissue.)					
164, 434	Dutton, Rufus, Yonkers, N. Y. Harvester-cutter	June 15, 1875	580	188	7	1028
169, 427	Dyvall, Leonidas, Georgetown, D. C. Combined toy gun and horn	Nov. 2, 1875	98	30	8	748
166, 5-2	Dyvall, William T., assignor to self and Joseph L. Simms, Georgetown, D. C. Piston for steam-engines	Aug. 10, 1875	369	121	8	292
163, 306	Duvaigne, Louis, Philadelphia, Pa. Attachment to automatic dental pluggers	May 12, 1875	567	181	7	844
8, 284	Du Vivier, Charles A., Summit, N. J., and Edward Du Vivier, New York, N. Y. Pickle and preserve jar (Design)	Apr. 27, 1875			7	760
	Du Vivier, Edward. (See Du Vivier, Charles A. and Edward.) (Design.)					
168, 384	Duvel, Charles, Cincinnati, Ohio. Tobacco-drier (Design.)	Oct. 5, 1875	57	21	8	573
8, 375	Dwight, George M. (See Perry & Dwight.)					
	Dwyer, James, assignor to Detroit Stove Works, Detroit, Mich. Reservoir cooking-stove	June 8, 1875			7	968
8, 462	Same..... same (Case A. Design.)	July 6, 1875			8	4
	Same..... same (Case B. Design.)	Dec. 27, 1875	157	52	8	971
170, 831	Dwyer, John, Marion, Ohio. Fence	Nov. 9, 1875	477	150	8	804
1-9, 790	Dwyer, Robert, Weymouth, Mass. Sole-lining mechanism for boots and shoes					
	Dyce, Hiram H. (See Conlee, George W., assignor.)					
164, 435	Dye, William M., Cairo, Egypt. Fertilizer crusher and distributor	June 15, 1875	581	188	7	1028
	Dyer, G. W. (See Rice, Eli-sha E., assignor.)					
	Dyer, Hiram M. (See Conlee, George W., assignor.)					
171, 110	Dyer, Isaac T., Streator, assignor to self and Virgil T. Price, Chicago, Ill. Pencil-sharpener	Dec. 14, 1875	428	142	8	1015
164, 983	Dyer, Isaac T., and George Powell, Streator, Ill. Dip-trough for ice-boxes	June 29, 1875	1098	354	7	1112
167, 654	Dyer, Samuel, Natick, R. I. Roller-bearing for speeders, &c.	Sept. 14, 1875	255	79	8	449
170, 831	Dyke, Albion, assignor of one-half interest to Isaac O. Woodward, Nashua, N. H. Buckle	Dec. 7, 1875	157	52	8	971
8, 048	Dyott, Michael B., Philadelphia, Pa. Carbureter for gas-burners (Design)	Feb. 9, 1875			7	223
168, 453	Same..... Sheet-metal attachment for gas-burners	Oct. 5, 1875	127	44	8	583
161, 155	Dysard, Joseph W., Michigan City, Ind. Wed-covering attachment	June 8, 1875	219	102	7	982
6, 315	Eachus, James, Coatesville, Pa. Process of cutting wet paper (Reissue)	Mar. 2, 1875	210	78	7	382
6, 444	Eads, James B., Saint Louis, Mo. Iron bridge (Reissue)	May 25, 1875	1054	333	7	916
6, 445	Same..... same (Reissue)	May 25, 1875	1056	334	7	916

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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6, 446	Eads, James B., Saint Louis, Mo. Iron bridge..... (Reissue)	May 25, 1875	1058	334	7	916
162, 045	Same..... same	Apr. 13, 1875	407	136	7	636
162, 357	Same..... same	Apr. 20, 1875	710	{ 231 232 }	7	681
163, 854	Same..... Metallic-arch bridge.....	June 1, 1875	17	5	7	933
169, 791	Same..... Metallic arched truss-bridge.....	Nov. 9, 1875	478	151	8	805
170, 832	Eads, James B., Saint Louis, Mo., and James Andrews, Allegheny, Pa. Mattress for forming embankments..... (Reissue)	Dec. 7, 1875	158	52, 53	8	971
6, 280	Eager, George R., Boston, Mass. Pants and other garments..... (Reissue)	Feb. 9, 1875	472	158	7	258
160, 312	Same..... Shirt.....	Mar. 2, 1875	52	19	7	356
167, 315	Same..... Overalls.....	Aug. 31, 1875	1109	349	8	389
167, 316	Same..... same.....	Aug. 31, 1875	1110	349	8	389
167, 317	Same..... same.....	Aug. 31, 1875	1111	349	8	389
167, 318	Same..... same.....	Aug. 31, 1875	1112	350	8	389
167, 319	Same..... same.....	Aug. 31, 1875	1113	350	8	389
167, 320	Same..... same.....	Aug. 31, 1875	1114	350	8	389
167, 321	Same..... same.....	Aug. 31, 1875	1114	350	8	389
	Eagle Lock Company. (See Mix, Frank W., assignor.)					
167, 750	Eames, Frederick W., Watertown, N. Y. Vacuum car-brake.....	Sept. 14, 1875	339	{ 108 109 }	8	461
170, 535	Eames, Henry H., and Abel Patchen, assignors to American Mill and Metallurgical Company, San Francisco, Cal. Process for treating ore.....	Nov. 30, 1875	1202	.....	8	926
	Eames, Melville C., et al. (See Kabler, Conrad, assignor.)					
161, 494	Earing, Henry B., assignor of one-half interest to Richard A. Colter, Peoria, Ill. Fly-trap.....	Mar. 30, 1875	1194	383	7	543
170, 355	Earing, Henry B., assignor of one-half interest to Horace G. Culter, Peoria, Ill. Fly-trap.....	Nov. 23, 1875	1021	320	8	893
	Earl, William, et al. (See Smith, Reswell T., assignor)..... (Reissue.)					
159, 751	Earle, Oscar T., New York, N. Y. Burning hydrocarbons.....	Feb. 16, 1875	500	167	7	267
167, 751	Earle, Oscar T., Norwalk, Conn. Stop-cock.....	Sept. 14, 1875	343	109	8	462
167, 762	Earle, Oscar T., New York, N. Y. Revenue guard for cigar-boxes.....	Sept. 14, 1875	345	{ 109 110 }	8	462
160, 087	Earle, Reginald H., St. John, Newfoundland. Skate.....	Feb. 23, 1875	825	171	7	317
6, 542	Earle, Timothy, Lincoln, R. I., assignor, by mesne assignments, to Dever Stamping Company, Boston, Mass. Egg-beater..... (Reissue)	July 13, 1875	517	{ 157 158 }	8	88
170, 666	Earnest, George H., Springfield, Ohio. Pitman-connection.....	Dec. 7, 1875	12	4	8	952
165, 719	Earnshaw, John, East Greenwich, R. I. Erush.....	July 20, 1875	582	178	8	113
162, 358	Earnshaw, Joseph, Cincinnati, Ohio. Car for inclined planes.....	Apr. 20, 1875	713	232	7	682
	Earp, William. (See McKenzie, Alexander, assignor.)					
	East Hampton Bell Company. (See Abell, Irvin H., assignor.)					
	East Hampton Bell Company. (See Geff, George W., assignor.)					
	East New York Boot, Shoe, and Leather Manufacturing Company. (See Ballou, Cyrus C., assignor.)					
	East New York Boot, Shoe, and Leather Manufacturing Company. (See Miller, Francis, assignor.)					
170, 071	Eastburn, Robert H., Philadelphia, Pa. Broom.....	Nov. 16, 1875	745	235	8	847
	Eastern Manufacturing Company. (See Allen, Luther L., assignor.)					
	Eastern Manufacturing Company. (See Webber, Josiah, assignor.)					
163, 584	Eastman, Charles L., Concord, N. H. Steam-packing for pistons.....	May 25, 1875	836	264	7	887
165, 080	Same..... Spark-arrestor.....	June 29, 1875	1182	380	7	1124
	Eastman, George. (See Church, Melvin P., assignor.)					
164, 436	Eastman, George C., Lewiston, Me. Flour-sieve.....	June 15, 1875	581	188	7	1028
166, 920	Same..... Combined washing and wringing machine.....	Aug. 24, 1875	726	225	8	328
6, 675	Eastman, George H., Minneapolis, Minn. Grist-alarm..... (Reissue)	Sept. 21, 1875	667	211	8	516
163, 855	Eastman, John I., Philadelphia, Pa. Shoe-dressing.....	June 1, 1875	18	.....	7	933
	Eastman, Robert. (See Oliver, George E., assignor.)					
161, 495	Eastman, Rufus M., assignor to Amanda D. French, Boston, Mass. Pantaloon-sbaper.....	Mar. 30, 1875	1195	383	7	541
162, 241	Easton, Edgar, and James Scott, Jacksonville, Ill. Winker-strap for bridle-blinds.....	Sept. 23, 1875	822	261	8	545
161, 872	Eastwood, John W., Monroe Township, Pa. Portfolio.....	Apr. 13, 1875	261	87	7	618
160, 756	Eaton, Asabel K., Brooklyn, N. Y. Prism.....	Mar. 16, 1875	483	157	7	433
	Eaton, Cole & Burnham Company. (See Snow, William B., assignor.)					
	Eaton, John. (See Freeman, Hiram, assignor.)					
163, 981	Eaton, Leander, Worcester, Mass. Regulating chronometers, watches, &c.....	June 1, 1875	117	30, 40	7	947
	Eaton, Melville B. (See Porter & Eaton.)					
	Eau Claire Lumber Company. (See Pond, Levi W., assignor.)					
	Same..... same..... (Reissue.)					
	Eavenson, Davis. (See Stott & Eavenson.)					
167, 081	Ebbert, Jerry, Martin's Ferry, Ohio, assignor, by mesne assignments, to W. A. Conklin and Orrin D. Lewis, Pittsburgh, Pa. Culinary implement.....	Aug. 24, 1875	879	275	8	349
163, 368	Eberhard, John G., Akron, Ohio. Hame.....	May 18, 1875	623	99	7	652
165, 663	Eberhart, John G., Baltimore, Md. Brick-kiln.....	July 20, 1875	532	162	8	106
166, 973	Eberhart, John H., Sumter, S. C. Railway-gate.....	Aug. 24, 1875	777	240	8	334
	Eberle, John G., administrator. (See Eberle, John, deceased.)					
163, 056	Eberle, John, deceased, by John G. Eberle, administrator, Glasgow, Mo. Snap-book.....	May 11, 1875	316	101	7	795
162, 359	Eberly, John A., Keamstown, assignor of one-half interest to Martin Shirley, Hinkle-town, Pa. Washing-machine.....	Apr. 20, 1875	714	232	7	682
166, 690	Ebert, Jacob F., Dayton, Ohio. Window-frame.....	Aug. 17, 1875	499	152	8	286
168, 833	Same..... Refrigerator.....	Oct. 19, 1875	501	{ 163 164 }	8	652
160, 088	Eby, Peter, Kinzer's Post-Office, Lancaster County, Pa. Transplanting-box.....	Feb. 23, 1875	826	171	7	317
169, 792	Eccles, James, Philadelphia, Pa., assignor of one-half interest to Samuel Eccles, jr., Baltimore, Md. Car-axle box.....	Nov. 9, 1875	479	151	8	805
	Eccles, Samuel, jr. (See Eccles, James, assignor.)					
161, 674	Eckel, Frederick, New York, N. Y. Pendulum-clock.....	Apr. 6, 1875	75	26	7	579
159, 912	Eckemeyer, Rudolf, Yonkers, N. Y. Machine for pouncing hats.....	Feb. 16, 1875	648	215	7	286
167, 158	Eckhardt, Albert F., Munich, Bavaria. Preparing plates for printing.....	Aug. 31, 1875	979	.....	8	370
161, 873	Eckman, John Y., Galesburg, Ill. Stalk-cutter.....	Apr. 13, 1875	262	87, 88	7	618
	Eddy, A. G. (See Eddy, Robert H., assignor.)					
	Eddy, Corse & Co. (See Hayner, George, assignor.)					
166, 083	Eddy, George W., Waterford, N. Y., assignor to Lyuan K. Eddy, Philadelphia, Pa. Stop-valve.....	July 27, 1875	943	291	8	174
167, 322	Same..... Whiffletree and neck-yoke.....	Aug. 31, 1875	1115	351	8	389
165, 988	Same..... Stop-valve.....	July 27, 1875	854	263	8	1675
168, 464	Same..... Pole and shaft for vehicles.....	Oct. 5, 1875	127	44	8	533

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170, 419	Eddy, George W., New Britain, assignor of one-half interest to Charles B. Stevens, Granby, Conn. Toy pistol.....	Nov. 30, 1875	1116	351	8	914
166, 974	Eddy, Lyman K. (See Eddy, George W., assignor.)					
166, 515	Eddy, Robert H., assignor to A. G. Eddy, Boston, Mass. Suspender.....	Aug. 24, 1875	778	240	8	335
169, 971	Eddy, William H., Worcester, Mass. Drill-sharpening machine.....	Aug. 10, 1875	326	99	8	253
168, 974	Same..... Boot-crimper.....	Nov. 16, 1875	649	203	8	834
170, 942	Edgar, Butler, Espy, Pa. Bilge-protector for vessels.....	Oct. 19, 1875	629	208	8	670
158, 478	Same..... Ear-muffler.....	Dec. 14, 1875	273	91	8	994
166, 084	Edgar, James, New York, and Alfred Bardell, Brooklyn, N. Y. Fire-shovel.....	Jan. 5, 1875	113	38	7	25
168, 003	Edgar, John L., Coopersville, Mich., assignor of one-half interest to Harvey W. Peace, Williamsburgh, N. Y. Crosscut-saw handle.....	July 27, 1875	945	291	8	175
164, 911	Edgcomb, George W., Lima, and Henry A. Gore, Goshen, Ind. Foot-rest.....	Sept. 21, 1875	570	184	8	504
171, 363	Edge, George W., Jersey City, N. J. Condenser for illuminating-gas.....	June 29, 1875	1038	334	7	1104
164, 366	Edge, William C., Newark, N. J., assignor to Smillie, Dorrance & Edge, New York, N. Y. Die for making the heads of chain-swivels.....	Dec. 21, 1875	692	228	8	1058
6, 253	Edgerton, Henry H., Fort Wayne, Ind. Register for gas-meters..... (Reissue).....	June 15, 1875	513	169	7	1020
159, 653	Same..... Process of treating hydrocarbons for making gas.....	Jan. 26, 1875	878	285	7	167
169, 244	Edgerton, Nathan H., Philadelphia, Pa. Apparatus for producing calcium-light.....	Feb. 9, 1875	390	130	7	246
163, 466	Edgerton, William W., et al. (See McGhee, William T., assignor.)	Oct. 26, 1875	897	291	8	714
163, 466	Edholm, Gustaf F., Lake City, Minn. Safety-extinguisher for lamps.....	May 18, 1875	706	225	7	863
158, 787	Edison, Thomas A., Newark, N. J. Telegraph-apparatus.....	Jan. 19, 1875	420	141	7	98
160, 402	Edison, Thomas A., Newark, N. J., assignor to self and George Harrington, Washington, D. C. Solution for chemical-telegraph paper.....	Mar. 2, 1875	130	.....	7	367
160, 403	Same..... same.....	Mar. 2, 1875	130	.....	7	367
160, 404	Same..... same.....	Mar. 2, 1875	130	.....	7	367
160, 405	Same..... Adjustable electro-magnet for relays, &c.....	Mar. 2, 1875	131	46	7	367
160, 580	Same..... Solution for chemical-telegraph paper.....	Mar. 9, 1875	301	102	7	401
162, 633	Same..... Duplex telegraph.....	Apr. 27, 1875	979	315	7	724
166, 259	Same..... Chemical telegraphy.....	Aug. 17, 1875	654	.....	8	309
166, 860	Same..... same.....	Aug. 17, 1875	655	.....	8	309
166, 861	Same..... same.....	Aug. 17, 1875	655	.....	8	309
168, 004	Edison, Thomas A., Newark, N. J., assignor to Gold and Stock Telegraph Company, New York, N. Y. Printing-telegraph.....	Sept. 21, 1875	571	184	8	504
168, 242	Edison, Thomas A., Newark, N. J., assignor to self and George Harrington, Washington, D. C. Transmitter and receiver for automatic telegraphs.....	Sept. 28, 1875	823	261	8	545
168, 243	Same..... Automatic telegraph.....	Sept. 28, 1875	824	262	8	546
168, 385	Edison, Thomas A., Newark, N. J. Duplex telegraph.....	Oct. 5, 1875	58	21	8	573
168, 465	Edison, Thomas A., Newark, N. J., assignor to self and George Harrington, Washington, D. C. Solution for chemical telegraphs.....	Oct. 5, 1875	128	.....	8	583
168, 466	Same..... same.....	Oct. 5, 1875	129	.....	8	583
168, 467	Same..... Recording-point for chemical telegraphs.....	Oct. 5, 1875	129	.....	8	583
169, 972	Edison, Thomas A., and Charles Batchelor, Newark, N. J. Electric-signaling instrument.....	Nov. 16, 1875	651	203	8	834
171, 273	Edison, Thomas A., Newark, N. J., assignor to self and George Harrington, Washington, D. C. Telegraph apparatus.....	Dec. 21, 1875	616	201	8	1047
171, 274	Edmister, Wordeco, Hunt's Station, Ohio. Shoe-fastening.....	Dec. 21, 1875	617	201	8	1047
	Edmond, J. D. (See Field, James D., assignor.)					
	Edmonds, Charles W. (See Phelps & Edmonds.)					
	Edmonds, George D. (See Flagg, Eli W., assignor.)					
160, 658	Edmonds, James S., Princeton, Ky. Shirt-bosom supporter.....	Mar. 9, 1875	371	125	7	411
163, 585	Edsall, David A., New York, N. Y. Inking apparatus for hand-stamps.....	May 25, 1875	838	264	7	887
163, 755	Edson, Horace M., Toledo, Ohio. Vulcaozing apparatus for dentists.....	May 25, 1875	982	311	7	906
160, 406	Edson, Horace M., and Robert L. Evans, Toledo, Ohio. Dental engine.....	Mar. 2, 1875	131	46, 47	7	367
6, 658	Edson, Jacob, Boston, Mass. Street-sweeping machine..... (Reissue).....	Sept. 28, 1875	888	283	8	555
6, 659	Same..... same..... (Reissue).....	Sept. 28, 1875	889	284	8	555
159, 025	Same..... same.....	Jan. 26, 1875	674	220	7	138
159, 897	Edson, Nathaniel F., New Orleans, La. Band-saw frame.....	Feb. 16, 1875	552	184	7	273
167, 753	Edwards, Addison, Providence, R. I. Loom-shuttle.....	Sept. 14, 1875	346	110	8	462
166, 595	Edwards, Albert L., Syracuse, N. Y. Bird-cage.....	Aug. 10, 1875	395	122	8	463
166, 596	Same..... same.....	Aug. 10, 1875	396	122	8	263
162, 134	Edwards, Charles P. (See Edwards, William F. and Charles P.)					
165, 410	Edwards, Charles P. and William F., Summit, N. J. Paper-tube machine.....	Apr. 27, 1875	980	315	7	724
161, 938	Edwards, Charles R., Buffalo, N. Y. Game-board.....	July 13, 1875	240	83	8	54
163, 057	Edwards, Charles T., and George H. Huntoon, Moline, Ill.; said Huntoon assignor to said Edwards. Wind-wheel.....	Apr. 13, 1875	320	107	7	625
163, 058	Same..... Frame or turn-table for wind-wheels.....	May 11, 1875	316	102	7	796
159, 166	Same..... Wind-wheel.....	May 11, 1875	317	102	7	796
	Edwards, Ernest. (See Atkinson & Edwards.)					
159, 752	Edwards, Ernest, assignor to James R. Osgood, Boston, Mass. Process of preparing gelatine plates for printing.....	Jan. 26, 1875	794	.....	7	155
168, 005	Edwards, George K., Philadelphia, Pa. Ironing-table.....	Feb. 16, 1875	501	167	7	267
162, 300	Edwards, George W., assignor to self, Lewis M. Adams, and Ezra Codington, Chatham, N. J. Lifting-jack.....	Sept. 21, 1875	572	184	8	504
168, 468	Edwards, Henry, Brooklyn, N. Y. Shawl-strap handle.....	Apr. 30, 1875	715	233	7	682
6, 433	Edwards, Henry H., Grand Rapids, Mich. Machines for cutting and printing indexes.....	Oct. 5, 1875	129	44	8	583
6, 410	Edwards, John S., et al. (See Millhiser, John L., assignor.)					
6, 676	Edwards, John S., Cleveland, Ohio, and Ambler J. Rogers, Jackson, Mich. Roll for reducing old rails..... (Reissue).....	May 18, 1875	805	255	7	875
163, 307	Edwards, Oliver, Florence, Mass. Skate..... (Reissue).....	May 4, 1875	244	78	7	779
163, 308	Same..... same..... (Reissue).....	Oct. 5, 1875	219	71	8	595
163, 344	Same..... same.....	May 18, 1875	568	182	7	845
163, 344	Same..... same.....	May 18, 1875	569	182	7	845
170, 943	Edwards, Oliver, Florence, Mass., assignor to Florence Sewing Machine Company. Stand or holder for hose-pipe nozzles.....	Nov. 2, 1875	19	6	8	737
165, 989	Edwards, Oliver, Florence, Mass. Skate.....	Dec. 14, 1875	274	91	8	994
165, 989	Edwards, R. J. (See Westwick, James B., assignor.)					
166, 455	Edwards, Thomas M., East Hampton, N. Y. Horse hay-rake.....	July 27, 1875	855	263	8	162
162, 135	Edwards, Tryon, Hagerstown, Md. Head-rest for car-seats.....	Aug. 10, 1875	279	83	8	246
	Edwards, William F. (See Edwards, Charles P. and William F.)					
	Edwards, William F. and Charles P., Summit, N. J. Calendaring-machine.....	Apr. 27, 1875	981	315	7	724
	Edgo, Fred., et al. (See Hotchkiss, Arthur E., assignor.)					
	Edgze, Frederick. (See Smith & Edgze.)					



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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171, 364	Edge, Frederick, Bridgeport, Conn., assignor to Paul A. Oliver, Wilkesbarre, Pa. Powder-can	Dec. 21, 1875	692	228	8	1058
162, 636	Eggleston, Charles H., and William M. Phelps, assignors of one-half interest to C. S. Crauc, Marshall, Mich. Windmill	Apr. 27, 1875	982	{ 315 316 }	{ 7 7 }	{ 724 724 }
161, 016	Eggleston, Jesse S., Auburn, N. Y. Vehicle-axle lubricator	Mar. 23, 1875	716	236	7	474
161, 017	Same.....Car-axle lubricator	Mar. 23, 1875	717	237	7	474
167, 082	Egler, Jacob D., Pittsburgh, Pa. Wash-boiler	Aug. 24, 1875	e79	275	8	349
163, 467	Egleston, Henry, Saint Joseph County, Mich. Shaping-block for garments	May 18, 1875	706	236	7	863
161, 939	Ehret, Anatole, San Francisco, Cal. Gas-burner for heating purposes	Apr. 13, 1875	321	108	7	625
170, 536	Ehrrichson, Osmus J., assignor to Ferdinand Schumacher, Akron, Ohio Oatmeal-machine	Nov. 30, 1875	1203	379	8	926
164, 822	Eichbaum, Frederick H., Detroit, Mich., assignor of two-thirds interest to William W. Horton, J. T. Salter, J. H. Sheldon, and James Aiken, Chicago, Ill. Process for the manufacture of illuminating-gas	June 22, 1875	935	.....	7	1084
165, 809	Same.....Apparatus for supplying liquid hydrocarbon to gas-making retorts	July 20, 1875	667	204	8	124
166, 352	Eichbaum, Frederick H., and Andrew G. Hunter, Detroit, Mich. Process of manufacturing gas	Aug. 3, 1875	151	.....	8	221
168, 006	Eichbaum, Frederick H., Detroit, Mich., assignor of two-thirds interest to William W. Horton, J. T. Salter, J. H. Sheldon, and James Aiken, Chicago, Ill. Gas apparatus	Sept. 21, 1875	573	185	8	504
164, 821	Eichholz, Adolph, Saint Louis, Mo. Bale-tie	June 22, 1875	934	302	7	1054
167, 512	Eichholtz, George W., North Manchester, Ind. Churn-dasher	Sept. 7, 1875	114	36	8	423
169, 973	Eichholtz, John M. (See Frey & Eichholtz) (Reissue.)					
6, 311	Eichholtz, John H., Brooklyn, N. Y., assignor to self and Horace A. Green, New York, N. Y. Gas apparatus	Nov. 16, 1875	652	204	8	835
6, 358	Eickemeyer Felting Company. (See Eickemeyer, Rudolph, assignor) (Reissue.)					
162, 540	Eickemeyer, Rudolph, Yonkers, N. Y. Sewing-machine for sewing the sweat-lining of hats	Mar. 2, 1875	224	77	7	381
167, 083	Same.....Machine for shaping and blocking hats	Aug. 24, 1875	880	{ 275 276 }	{ 8 8 }	{ 349 349 }
167, 391	Same.....Hat-stretching machine	Sept. 7, 1875	11	3	8	408
167, 513	Same.....Process of stiffening hats	Sept. 7, 1875	115	36	8	423
168, 731	Same.....Machine for stretching hat-bodies	Oct. 11, 1875	399	130	8	629
133, 645	Eigelbner, T. F. (See Mooney, Joseph E, assignor.)					
164, 984	Eilmann, Henry. (See Voigt & Eilmann.)					
170, 719	Eisenhart, Charles A., and Edmund E. Lauer, York, Pa. Wringing-machine	May 25, 1875	890	{ 291 292 }	{ 7 7 }	{ 894 894 }
162, 643	Eisenmann, Emil F. W., New York, N. Y. Combined cigar-tip cutter and watch-charm	June 29, 1875	1099	355	7	1112
170, 719	Eitel, John, Sacramento, Cal. Combined twine-cutter, letter-opener, and stamp-moistener	Dec. 7, 1875	60	18	8	958
170, 356	Elam, Jabez, assignor to Rich. Trenaman, Rochester, N. Y. Insole or former for use in making boots and shoes	Apr. 27, 1875	837	270	7	706
158, 692	Eldreg, George, Cincinnati, Ohio. Fire-lighter	Nov. 23, 1875	1021	320	8	893
f, 657	Elder, Adelaide S., executrix. (See Elder, Roscoe G.) (Reissue.)					
167, 754	Elder, John, jr., New York, N. Y. Automatic valve for steam-radiators	Jan. 12, 1875	317	108	7	68
167, 754	Elder, Roscoe G., deceased, by Adelaide S. Elder, executrix and assignor to A. W. Daby, Child's carriage	Sept. 28, 1875	867	283	8	555
161, 602	Eldredge, Alonzo W., Big Rapids, assignor of one-fourth interest to Fitch Phelps, Mecosta, Mich. Oscillating balanced valve	Sept. 14, 1875	346	110	8	462
166, 864	Eldridge, Martin F., Lynn, Mass. Fire-escape	Apr. 6, 1875	13	5	7	570
164, 367	Eldridge, David, Philadelphia, Pa. Fare-register	Aug. 17, 1875	657	204	8	309
164, 367	Eldridge, Orin S. (See Eldridge, Randall H. and Orin S.)					
167, 756	Eldridge, Randall H. and Orin S., Lowell, Mass. Machine for making pins and dowels	June 15, 1875	515	169	7	1020
158, 634	Eldridge, Rinaldo, Harwich, Mass. Carriage-jack	May 25, 1875	982	311	7	906
164, 279	Eley, Aaron. (See Ney, John, jr., assignor.)					
169, 156	Elford, Alfred T., Oakland, Cal. Blind-stop	Jan. 12, 1875	265	90	7	61
162, 361	Elison, William A., assignor of one-half interest to Jacob H. Best, Statesville, N. C. Farm-fence	June 8, 1875	417	139	7	998
170, 537	Ellenberg, Gustav, Bidentkopt, Prussia. Process and apparatus for mashing and cooling	Oct. 26, 1875	822	267	8	704
166, 921	Eller, John, Jersey City Heights, N. J. Awning	Apr. 20, 1875	715	233	7	652
159, 567	Elliot, George, Saint Louis, Mo. Railway-frog	Nov. 30, 1875	1203	379	8	926
6, 447	Elliot, John W., Toronto, Canada. Stove	Aug. 24, 1875	727	225	8	328
163, 465	Elliot, William, Williamsford, Canada. Mill-spindle	Feb. 9, 1875	319	104	7	931
163, 646	Elliot, William H., New York, N. Y. Bedstead-fastening	May 25, 1875	1058	334	7	916
163, 757	Same.....Breech-loading fire-arm	May 18, 1875	707	226	7	863
163, 982	Same.....Bedstead-fastening	May 25, 1875	891	282	7	894
168, 562	Same.....Revolving fire-arm	May 23, 1875	983	311	7	906
169, 693	Same.....Carriage-spring	June 1, 1875	119	40	7	947
169, 896	Elliot, William H., New York, N. Y. Apparatus for transferring goods to and from cars	Oct. 11, 1875	245	80	8	606
166, 756	Elliot, Alvin D., George E. Fellows, and Stephen A. Simmons, Lawrence, assignors to James W. Brooks, trustee, Boston, Mass. Heeling-machine	Nov. 9, 1875	361	114	8	790
163, 059	Elliot, Caleb, Richmond, Ind. Wood-screw machine	Nov. 16, 1875	588	183	8	826
170, 720	Elliott, George E., Saint Andrews, Canada. Mariner's log	Aug. 17, 1875	560	172	8	295
171, 365	Elliott, George N. (See Howenstine, David J., assignor.)					
159, 250	Elliott, James J., Renovo, Pa. Spool-holder	May 11, 1875	319	{ 102 103 }	{ 7 7 }	{ 796 796 }
163, 369	Elliott, John G., et al. (See Hall, A. S., assignor.)	Dec. 7, 1875	60	18	8	958
6, 793	Elliott, Josiah S., Chelsea, Mass. Stove-pipe thimble	Dec. 21, 1875	693	228	8	1058
165, 160	Same.....Knife-grinding machine	Feb. 2, 1875	8	3	7	186
164, 437	Elliott, Robert, Chester, Pa. Shedding mechanism for looms	May 18, 1875	623	199	7	852
163, 856	Elliott, Stephen, Indianapolis, Ind. Sad-iron	Dec. 14, 1875	533	176	8	1028
165, 061	Elliott, Sterling, assignor to Sterling Treadle Company, New Haven, Conn. Treadle	Dec. 14, 1875	533	176	8	1028
159, 168	Elliott, William B., Corning, N. Y. Extensible ladder	July 6, 1875	13	4, 5	8	10
159, 167	Elliott, William P., assignor to self and James M. Forshee, Wilmington, N. C. Bale-tie	July 6, 1875	13	4, 5	8	10
164, 156	Ellis, Charles P., Parker City, Pa. Twine-cutter	June 15, 1875	582	189	7	1028
165, 411	Same.....Shoe-blackening case	June 1, 1875	18	6	7	933
161, 217	Ellis, Charles R., Brooklyn, N. Y. Radiator for steam-heaters	June 29, 1875	1183	380	7	1124
165, 411	Ellis, George L., New Albany, Ind., assignor of one-half interest to W. T. Ellis, Louisville, Ky. Peg-cutter for boots and shoes	Jan. 26, 1875	796	261	7	155
		Jan. 26, 1875	795	261	7	155
		June 8, 1875	300	102	7	983
		July 13, 1875	281	83	8	54
		Mar. 23, 1875	900	{ 295 296 }	{ 7 7 }	{ 497 497 }

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161, 218	Ellis, George T., assignor of one-half interest to H. Lord, Oswayo, Pa. Rotary engine	Mar. 23, 1875	904	296	7	498
159, 503	Ellis, J. Alder, Chicago, Ill. Iron tip for vehicle-poles	Feb. 9, 1875	261	85	7	228
160, 262	Same..... Whiffle-ice-clip	Mar. 2, 1875	7	4	7	350
161, 603	Same..... Axle-skein	Apr. 6, 1875	13	5	7	570
	Ellis, James M. (See Doolittle & Ellis.)					
161, 604	Ellis, J. M. (See Moulton, George H., assignor.)					
168, 888	Ellis, John F., Toronto, Canada. Envelope-cutting machine	Apr. 6, 1875	14	6	7	570
170, 538	Ellis, John H., Peoria, Ill. Air-pump	Oct. 19, 1875	548	179	8	658
	Ellis, Joseph W., assignor of one-half interest to Jacob H. Armbruster, Philadelphia, Pa. Machine for turning carriage-axles	Nov. 30, 1875	1204	380	8	926
	Ellis, Rodney. (See Dougherty, John S., assignor.)					
169, 245	Ellis, Stephen K., Waltham, Mass. Suspender	Oct. 26, 1875	898	292	8	714
	Ellis, W. T. (See Ellis, George L., assignor.)					
165, 604	Ellis, William, assignor of one-fourth interest to William G. Case, Columbia, Pa. Cigar-box	July 20, 1875	534	163	8	106
163, 857	Ells, Josiah, Pittsburgh, Pa. Manufacture of sheet-iron	June 1, 1875	20	6	7	933
161, 496	Ellsworth, Oliver, Boston, Mass. Curtain-fixture	Mar. 30, 1875	1196	384	7	543
170, 072	Ellsworth, Oliver, Newton, Mass. Curtain roller and bracket	Nov. 16, 1875	745	236	8	847
163, 169	Ellwood, Reuben, Sycamore, Ill. Fence-wire	May 11, 1875	421	136	7	809
162, 808	Ellyson, Thomas J., and Aaron O. Askew, Jackson, Tenn. Sad-iron	May 4, 1875	68	22	7	756
	Elmenhorst, Walter R. (See Dinkel & Elmenhorst.)					
	Elmer, Albert E. (See Palmer & Elmer.)					
	Elmira Steam Engine Company. (See Clark, John C., administrator.)					
165, 082	Elms, William, Dover, assignor to Alfred S. Varney, Old Town, Me. Car-replacer	June 29, 1875	1184	381	7	1124
	Elrod, Charles W. (See Wilson, John G., assignor.)					
	Elsas, May & Co. (See Lauggesser, Emil, assignor.)					
	Elston, David, et al. (See Jones, Gilbert D., assignor.)					
158, 410	Elverud, Jens, Red Wing, Minn. Corn-planter	Jan. 5, 1875	52	18	7	16
	Elward, John H. (See Rynearson, John, assignor.) (Reissue.)					
6, 359	Elward, John H., Saint Paul, Minn., assignor to self and Wayland S. Goodhue. Harvester	Mar. 30, 1875	1290	414	7	556
	Elward, John H., assignor to self and Wayland S. Goodhue, Saint Paul, Minn. Harvester	Apr. 20, 1875	823	265	7	695
	Elward, John H., Saint Paul, Minn., assignor to self and Wayland S. Goodhue. Harvester	Apr. 27, 1875	1100	347	7	738
161, 395	Elward, John H., Saint Paul, Minn. Harvester	Mar. 30, 1875	1094	355	7	530
161, 396	Same..... same	Mar. 30, 1875	1096	356	7	530
165, 316	Same..... same	July 6, 1875	157	47, 48	8	30
170, 357	Elwell, Henry H., assignor to Norwalk Lock Company, Norwalk, Conn. Sliding-door pull	Nov. 23, 1875	1022	320	8	893
163, 309	Ely, Charles R., Northfield, Vt. Head-block for saw-mills	May 18, 1875	569	182	7	845
	Ely, George H. (See Topliff, John A., assignor.)					
170, 623	Ely, Homer, Ballston Spa, N. Y. Process of preparing hides and skins for tanning	Nov. 30, 1875	1290	.....	8	937
	Embossing Company. (See Hyatt, Charles M., assignor.)					
	Same..... (See Hyatt, Isaiah S., John W., and Charles M., assignors.)					
167, 084	Embree, Pearson, West Chester, Pa. Butter-worker	Aug. 24, 1875	885	276	8	350
161, 105	Emerson, James E., Beaver Falls, Pa. Handle for crosscut-saws	Mar. 23, 1875	804	264	7	425
167, 882	Same..... Mode of inserting diamonds into saws for sawing stone	Sept. 21, 1875	476	151	8	489
170, 833	Same..... Cross-cut saw	Dec. 7, 1875	159	53	8	972
168, 007	Emerson, Lowe, Alexander J. Clark, and John T. Richmond, Cincinnati, Ohio. Former for bending carriage-seat irons	Sept. 21, 1875	575	185	8	505
	Emerson, Ralph, et al. (See Barnes, John, assignor.)					
	Emerson, Ralph. (See Belch, Jacob, assignor.)					
	Emerson, Ralph, et al. (See Burson & Nelson, assignors.)					
	Same..... (See Cook, Andrew J., assignor.)					
159, 656	Emery, Charles B., Boston, Mass., and Samuel W. Emery, Portland, Me. Anti-friction device for car-wheels	Feb. 9, 1875	391	130	7	246
160, 817	Emery, Charles E., Brooklyn, N. Y. Compound engine	Mar. 16, 1875	540	175	7	440
165, 990	Same..... Steam-boiler	July 27, 1875	856	{ 263 184 }	8	162
171, 218	Same..... Hydraulic cushion-valve	Dec. 21, 1875	563	185	8	1040
159, 251	Emery, Francis W. R., assignor of one-half interest to Daniel M. Ferren, Taunton, Mass. Vehicle-wheel	Feb. 2, 1875	9	3	7	186
161, 018	Emery, Harriet G., Boston, Mass. Abdominal corset	Mar. 23, 1875	718	237	7	474
161, 019	Same..... Method of manufacturing corsets	Mar. 23, 1875	720	237	7	474
163, 983	Same..... Corset	June 1, 1875	119	40	7	947
	Emery, John A. (See Stuart & Emery.)					
	Emery, Samuel W. (See Emery, Charles B. and Samuel W.)					
170, 160	Emig, George, Cincinnati, Ohio. Screw-cutting machine	Nov. 23, 1875	850	206	8	868
	Emmerich, Francis. (See Battermann, Henry, assignor.)					
159, 657	Emmert, John, assignor of one-half interest to A. B. Thayer, Lanark, Ill. Stove-pipe shelf	Feb. 9, 1875	392	130	7	247
170, 944	Emmert, William P., Freeport, Ill. Animal-power	Dec. 14, 1875	275	92	8	994
	Emrath, Philipp, et al. (See Kahler, Conrad, assignor.)					
161, 397	Emry, David F., Canton, Ill. Cider-press	Mar. 30, 1875	1098	356	7	530
	Enbody, Nehemiah. (See Dinkey, Enbody & Bradley.)					
159, 504	Ende, Thomas, New York, N. Y. Size compound	Feb. 9, 1875	261	.....	7	298
160, 887	Enders, Joseph, Louisville, Ky. Carriage-spring	Mar. 16, 1875	596	194	7	448
162, 362	Endres, John J., Jersey City, N. J., assignor of one-half interest to L. L. Crouse, Washington, D. C. Artificial fuel	Apr. 20, 1875	716	.....	7	682
162, 363	Same..... Machine for the manufacture of artificial fuel	Apr. 20, 1875	717	{ 233 234 }	7	682
164, 820	Engel, Albert, Geestemunde, Prussia. Dental forceps	June 22, 1875	933	302	7	1083
161, 332	Engel, Joseph, Frankfort-on-the-Main, Germany, assignor of one-half interest to George L. Palmer, Wilkesbarre, Pa. Combined tippet and muff	Mar. 30, 1875	1032	336	7	522
168, 628	Engelhardt, William E., College Point, N. Y. Cane-umbrella	Oct. 11, 1875	311	101	8	616
8, 800	England, Joseph H., Baltimore, Md. Box	Nov. 23, 1875	.....	.....	8	862
	Engle, Jacob S., et al. (See Winton, Albert, assignor.)					
169, 974	Engle, Jacob S., Palmyra, Pa. Pump-plunger	Nov. 16, 1875	653	204	8	835
169, 345	Engle, Stephen D., Hazleton, Pa., assignor to Samuel S. White, Philadelphia, Pa. Dental engine	Nov. 2, 1875	20	6	8	737
160, 659	Englebert, Henry, Rutherford Park, N. J. Feed-bag for horses	Mar. 9, 1875	372	125	7	411
160, 669	Englehart, Jacob L., New York, N. Y. Butter-worker	Feb. 23, 1875	827	272	7	317
167, 392	English, Henry C., Wilmington, Del. Ratchet-drill	Sept. 7, 1875	13	4	8	408
	English, Joseph K., et al. (See King, Jacob, assignor.)					

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160, 888	English, Nathan F., Hartland, and Cyrenius M. Willard, Pittsford, Vt.; said English assignor to said Willard. Machine for channeling and sawing stone	Mar. 16, 1875	597	194	7	448
164, 080	English, Nathan F., Hartland, Vt., assignor to A. Lapbam, Washington, D. C., and George H. Osborn, Pittsford, Vt. Annealing wire	June 8, 1875	236	82	7	974
164, 280	Ennis, George W. (See Hoffman & Shoemate, assignors.)					
164, 280	Ennis, William, New York, N. Y. Fire-box	June 8, 1875	418	140	7	998
163, 858	Enos, Frank, Mineral City, Nev. Attachment for ceeking-stoves	June 1, 1875	21	7	7	933
165, 810	Enright, Joseph, San José, Cal. Boiler for portable engines	July 20, 1875	668	204	8	125
169, 531	Same. Steam-boiler furnace	Nov. 2, 1875	185	63	8	760
	Enterprise Manufacturing Company. (See Baker, John G., assignor.)					
	Enterprise Manufacturing Company of Pennsylvania. (See Baker, John G., assignor.) (Design.)					
163, 170	Entrekin, William G. (See Bramble, James, jr., assignor.)					
165, 033	Entrekin, William G., Philadelphia, Pa. Photograph-burnisher	May 11, 1875	421	137	7	809
160, 757	Epeneter, John, and Carl B. Grabl, Council Bluffs, Iowa. Sieve	June 29, 1875	1184	381	7	1124
	Eppelsheimer, William, San Francisco, Cal. Clamp apparatus for connecting street-cars, &c., with endless traveling devices	Mar. 16, 1875	484	158	7	433
166, 975	Same. Device for propelling cars	Aug. 24, 1875	779	240	8	335
166, 976	Same. Means for turning cars on short curves	Aug. 24, 1875	280	241	8	335
159, 399	Eppler, Andrew. (See Hall & Eppler.)					
160, 660	Erbach, Valentin, Hyde Park, Pa. Car-coupling	Feb. 2, 1875	141	48	7	204
167, 230	Erbe, Barthel, Pittsburgh, Pa., assignor to self and Samuel H. Jacobus, Allegheny, Pa. Folding door-key	Mar. 9, 1875	372	125	7	411
164, 823	Erdman, Edward M., Lykens, Pa. Furnace-grate bar	Aug. 31, 1875	1039	323	8	378
159, 568	Erikson, John, assignor of one-half interest to Nelsen Oleson, Minneapolis, Minn. Water-wheel	June 22, 1875	936	302	7	1084
158, 835	Erlenmeyer, Erwin, Houston, Tex. Composition for filling teeth	Feb. 9, 1875	320		7	336
170, 073	Erlin, Gustave, San Francisco, Cal. Mortising-tool	Jan. 19, 1875	467	157	7	104
162, 364	Ernst, Joseph, assignor of one-half interest to Joseph Kempf, Central City, Colo. Bottle	Nov. 16, 1875	746	236	8	847
164, 438	Erskine, Charles. (See Erskine, Irving and Charles.)					
171, 003	Erskine, Irving and Charles, Bowling Green, Ky. Ladder	Apr. 20, 1875	718	234	7	682
169, 157	Ervin, John F., Vinton, Iowa. Mold for shaping wax comb-guides for hives	June 15, 1875	582	189	7	1028
160, 172	Esche, Otto, Milwaukee, Wis. Draw-bridge gate	Dec. 14, 1875	333	111	8	1002
165, 317	Esbelman, Abraham, Earlsville, Pa. Trammer for millstone-spindles	Oct. 26, 1875	824	267	8	704
168, 008	Eskey, Samuel S., assignor to Thomas P. Butcher, Parkersburgh, W. Va. Machine for making wooden pins	Feb. 23, 1875	695	295	7	328
165, 084	Esler, Robert B., Philadelphia, Pa. Charm for watch-chains	July 6, 1875	160	48	8	30
166, 085	Espach, Seraphin, Cincinnati, Ohio, assignor to self and John R. R. Lindon. Horseshoe-machine	Sept. 21, 1875	576	185	8	505
171, 367	Essex, Henry, Meadville, Pa. Hot-blast furnace	June 29, 1875	1185	381	7	1124
	Estes, Henderson, Saint Louis, Mo. Bale-tie	July 27, 1875	945	292	8	175
	Estes, William A., China, Me. Truck	Dec. 21, 1875	695	229	8	1058
	Same. See Fuller, Levi K., assignor.)					
	Estey & Co., J. (See White, Henry K., assignor.)					
	Esty, William. (See Putnam & Esty.)					
170, 358	Esworthy, Alonzo C. and Thomas T., Philadelphia, Pa. Combined burnisher and seat-wheel for boots and shoes	Nov. 23, 1875	1023	321	8	893
	Esworthy, Thomas T. (See Esworthy, Alonzo C. and Thomas T.)					
163, 793	Etchison, Henry N. (See Delaplaine, Theodore C., assignor.)					
160, 407	Etheridge, James H., Chicago, Ill. Manufacture of spiegeleisen	Nov. 9, 1875	480		8	805
159, 169	Ettinger, William, et al. (See Hussey, Marcus L. M., assignor.)					
166, 977	Eubank, John James, Winchester, Ky. Umbrella	Mar. 2, 1875	132	47	7	368
167, 230	Euclenbofer, Edward E. (See Breidenbach & Euclenbofer.)					
166, 977	Enstace, Marcus, Highfield, assignor to James and Thomas Kennan, Dublin, Ireland. Machine for thinning crops	Jan. 26, 1875	797	261	7	156
166, 757	Eustace, Marcus, Highfield, and James and Thomas Kennan, Dublin, Ireland. Machine for thinning or spacing crops	Feb. 9, 1875	393	131	7	247
166, 977	Eustis, William E. C., Milton, Mass. Furnace for melting metals	Aug. 17, 1875	561	172	8	295
	Same. Furnace for smelting ore	Aug. 24, 1875	781	241	8	335
171, 368	Evans, Alexander H. (See Redmond & Rhodes, assignors.)					
168, 889	Evans, Barnabus D. (See Lord & Evans.)					
170, 530	Evans, Charles W., Cincinnati, Ohio. Sheet-metal roof	Dec. 21, 1875	696	229	8	1058
160, 758	Evans, Christopher R., New Orleans, La. Street-railway switch	Oct. 19, 1875	549	180	8	659
171, 112	Evans, Clarence A., Upland, Pa. Station-indicator	Nov. 30, 1875	1206	380	8	926
6, 622	Evans, Edwin, Lynn, Mass. Gas-burner	Mar. 16, 1875	486	158	7	433
170, 721	Evans, George F., Poland, Me. Animal-shearing machine. (Reissue.)	Dec. 14, 1875	429	143	8	1015
169, 684	Evans, George M., Pittsburgh, Pa. Bench-vice	Aug. 31, 1875	1172	369	8	398
163, 469	Evans, Holland B., and Ernest G. Kemper, Saint Charles, Mo. Brick-kila	Dec. 7, 1875	61	18	8	958
160, 408	Evans, Lewis D., Newark, Ohio. Car-coupling	Nov. 9, 1875	362	114	8	790
161, 769	Evans, Louis, Pittsburgh, Pa. Tea and coffee pot	May 18, 1875	708	226	7	863
166, 196	Same. Ice-pitcher	Mar. 2, 1875	133	47	7	368
166, 922	Evans, Lucius, Fayetteville, N. Y. Feed-cutting machine	Apr. 6, 1875	154	53	7	591
162, 810	Evans, Oliver B., Titusville, Pa. Photographic plate	Aug. 3, 1875	13	5	8	201
160, 889	Evans, Owen, Halifax, Canada. Fret-saw frame	Aug. 24, 1875	727		8	328
167, 231	Evans, Robert L. (See Edson & Evans.)	May 4, 1875	70	22	7	756
163, 171	Evans, Silvanus P., Ash Ridge, Ohio. Gang-corn-planter	Mar. 16, 1875	599	195	7	448
170, 359	Evans, Thomas, South Manchester, Conn. Stop-motion for steam-engines	Aug. 31, 1875	1039	323	8	378
159, 650	Evans, Thomas R., Philadelphia, Pa. Boot and shoe	May 11, 1875	422	137	7	810
169, 346	Same. same	Nov. 23, 1875	1023	321	8	893
169, 347	Evans, William, Chicago, Ill. Steve-platform	Feb. 9, 1875	395	132	7	247
169, 348	Evans, William W., Georgetown, D. C., assignor to Samuel S. White, Philadelphia, Pa. Dental engine	Nov. 2, 1875	22	7	8	732
166, 532	Same. same	Nov. 2, 1875	23	7	8	738
166, 597	Evans, William C., Philadelphia, Pa. Oscillating printing-press	Nov. 2, 1875	186	63	8	763
162, 809	Evans, Will am D., Society Hill, S. C. Cotton-chopper	Aug. 10, 1875	397	123	8	263
6, 677	Evans, William J., Houghton, Mich. Ore-separator	May 4, 1875	69	22	7	756
170, 534	Evans, William W., Georgetown, D. C., assignor to Samuel S. White, Philadelphia, Pa. Dental engine. (Reissue.)	Oct. 5, 1875	221	72	8	595
167, 085	Evans, William W., Georgetown, assignor to self and William D. Baldwin, Washington, D. C. Window-sash	Dec. 7, 1875	160	53, 54	8	972
171, 111	Evarts, James M., New Haven, Conn. Pipe-tengs	Aug. 24, 1875	886	276	8	350
	Evarts, John A., assignor to Bradley and Hubbard Manufacturing Company, West Meriden, Conn. Lamp	Dec. 14, 1875	429	143	8	1015

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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168, 147	Everden, John C., <i>et al.</i> (See Strickler, Walter C., assignor). (Reissue.)	Sept. 28, 1875	743	234	8	534
	Everding, John, Philadelphia, Pa. Marine-engine governor.					
	Everett, Benjamin C. (See Kimball, Hiram A., assignor.)					
	Everett, Edward. (See Kipp, Abraham, jr., assignor.)					
6, 690	Evenham, William. (See Hitchcock, George, assignor.)					
	Everiss, Alfred, New York, N. Y. Gathering attachment for sewing-machines. (Reissue.)	Oct. 11, 1875	482	157	8	640
164, 281	Everitt, Edwin B., West Meriden, Conn. Adjustable key-fastener.	June 8, 1875	418	140	7	998
160, 890	Everitt, Elisha E., Philadelphia, Pa. Endless-chain propeller.	Mar. 16, 1875	599	195	7	448
168, 732	Same. Combined desk and wash-stand.	Oct. 11, 1875	402	131	8	629
166, 691	Everson, Charles R., and Leonard L. Cramer, Macedon, N. Y. Boiler washing-machine.	Aug. 17, 1875	499	{ 152 153 }	8	286
164, 439	Everson, George R., Cincinnati, Ohio. Motor for sewing-machines.	June 15, 1875	583	190	7	1029
	Evitt, John. (See Evitt, Robert and John.)					
165, 085	Evitt, Robert and John, Baltimore, Md. Toe-protector for boots and shoes.	June 29, 1875	1185	381	7	1124
170, 722	Ewald, Robert, assignor to George Brown and Charles F. Bliss, New York, N. Y. Corner for tables.	Dec. 7, 1875	62	19	8	959
162, 908	Ewart, John, assignor of one-fourth interest to John Bailey, Lawrence, Mass. Railway-signaling apparatus.	May 4, 1875	157	51	7	767
6, 387	Ewart, William D., Belle Plain, Iowa. Drive-chain. (Reissue.)	Apr. 20, 1875	811	263	7	694
163, 004	Ewing, James M., assignor of one-half interest to J. L. McGee, Washington, D. C. Metal wear-plate for the tread of boot and shoe heels.	May 11, 1875	267	87	7	790
	Ewing, Thomas. (See Taylor, David, assignor.)					
	Excelsior Flint-Glass Company. (See Lowery, John, assignor.)					
	Excelsior Stove Works. (See Wood, Samuel, assignor.)					
164, 157	Exton, Adam and John, Trenton, N. J. Cracker-machine.	June 8, 1875	301	103	7	983
164, 282	Same. . . . . same	June 8, 1875	419	140	7	998
164, 283	Same. . . . . same	June 8, 1875	420	140	7	998
	Exton, John. (See Exton, Adam and John.)					
167, 323	Eynon, William, and Richard C. Cook, Hyde Park, Pa. Miner's lamp.	Aug. 31, 1875	1116	351	8	389
161, 398	Eyquem, Jean, Paris, France. Manufacture of steel.	Mar. 30, 1875	1069		7	531
165, 553	Fahj, Frank, Galveston, Tex. Seat for water-closets.	July 13, 1875	415	125	8	74
164, 537	Facer, Wilson E., Toronto, Canada. Fire-alarm signal-box.	June 15, 1875	664	215	7	1039
	Fagan, Michel G. (See Corse & Fagan.)					
170, 835	Fagan, Michel G., assignor to self and Albert C. Corse, Troy, N. Y. Grate.	Dec. 7, 1875	161	54	8	972
169, 246	Fagley, John S., assignor to self and Ephraim H. Smith, Philadelphia, Pa. Machine for cutting match-sticks.	Oct. 26, 1875	898	292	8	714
169, 348	Fahlberg, Constantin, New York, N. Y. Chemist's test apparatus.	Nov. 2, 1875	24	7	8	738
6, 365	Fahy, John L. (See Page & Fahy.)					
	Fairbairn, William U., Boston, Mass., assignor to self, W. S. Chamberlin, and C. E. Randall. Copying press. (Reissue.)	Apr. 6, 1875	233	78	7	602
166, 516	Fairbank, Lemuel G., Chicago, Ill. Combined reading and writing desk.	Aug. 10, 1875	327	99	8	253
169, 794	Fairbank, William H., assignor of one-half interest to H. B. Holton, Alberton, Ind. Ice-boat.	Nov. 9, 1875	480	151	8	805
	Fairbanks & Co., E. and T. (See Stetson, Thomas D., assignor.)					
162, 279	Fairbanks, Chester M., Lebanon, N. H., assignor to Lane Manufacturing Company, Montpelier, Vt. Circular saw mill.	Apr. 20, 1875	637	208	7	673
165, 665	Fairbanks, Henry B., Manchester, N. H. Screen-supporter for cribs and cradles.	July 20, 1875	535	163	8	106
163, 060	Fairbanks, Thaddeus, Saint Johnsbury, Vt. Weighing-scales.	May 11, 1875	321	{ 103 104 }	7	796
168, 629	Same. Railway-track scales.	Oct. 11, 1875	312	{ 101 102 }	8	616
169, 630	Same. . . . . same	Nov. 9, 1875	305	98	8	783
164, 824	Fairchild, Benjamin, Washington, D. C. Folding work-table.	June 22, 1875	936	303	7	1084
166, 353	Fairchild, Curtis T., Hartford, N. Y., assignor to Burrell, Ives & Co. Veneer-cutting machine.	Aug. 3, 1875	152	47	8	221
158, 579	Fairfax, Joseph S., Baltimore, Md. Rotary engine.	Jan. 12, 1875	215	73	7	51
	Fairfield, George W. (See Hutchinson & Fairfield.)					
	Fairfield, Hadley P. (See McKay & Fairfield.)					
	Same. (See McKay, Fairfield & Glidden.)					
159, 660	Faitonte, John D., <i>et al.</i> (See Long, Charles B., assignor.)					
166, 517	Faivre, Charles, Paris, France. Mode of obtaining motive-power.	Feb. 9, 1875	396	132	7	247
170, 161	Falcon, Manuel J. S., Philadelphia, Pa. Wooden-soled boot and shoe.	Aug. 10, 1875	328	99	8	253
	Same. . . . . same	Nov. 23, 1875	851	266	8	868
167, 086	Fales, Andrew B. (See Hermance, Richard M., assignor.)					
	Fales, Eben C., Foxborough, Mass. Machine for blocking hats.	Aug. 24, 1875	887	277	8	350
	Fales, Jenks & Sons, <i>et al.</i> (See Rabbeth & Atwood, assignors). (Reissue.)					
160, 759	Fales, Levi S. (See Neff & Fales.)					
162, 811	Fales, Levi S., Cincinnati, and Peter Neff, Gambier, Ohio. Manufacture of lamp-black.	Mar. 16, 1875	486		7	433
169, 685	Fales, Shepherd, Salt Joseph, Mo. Fire-proof shutter.	May 4, 1875	70	22	7	756
166, 865	Fallis, Isaac A., assignor of one-half interest to Ferdinand Stephan, Dayton, Ohio. Apparatus for detaching horses from carriages.	Nov. 9, 1875	363	114	8	790
168, 865	Fallis, William L., Wesley, Pa. Meat-chopper.	Aug. 17, 1875	658	204	8	369
168, 148	Fallon, Stephen, Brooklyn, N. Y. Spring rocking-chair.	Sept. 28, 1875	745	235	8	534
171, 555	Faloon, Matthew, and David H. Iseminger, Bloomington, Ill. Apparatus for lighting street-lamps.	Dec. 28, 1875	886	290	8	1092
164, 726	Faujoy, George A., Williamsburgh, N. Y. Child's swing.	June 22, 1875	847	275	7	1073
159, 753	Fanning, David H., Worcester, Mass. Corset.	Feb. 16, 1875	502	167	7	267
163, 586	Faraday, John, assignor of one-half interest to William P. Kirk, Chester, Pa. Wood-boring machine.	May 25, 1875	839	265	7	887
166, 518	Farcot, Eugene, Paris, France. Device for winding clocks.	Aug. 10, 1875	329	100	8	253
163, 172	Fargo & Co., C. H., <i>et al.</i> (See White, Hugh, assignor.)					
168, 975	Faries, Henry V., Topeka, Kans. Smoke-stack for locomotives.	May 11, 1875	423	137	7	810
168, 244	Farmer, David J., Penn Yan, N. Y. Machine for drawing and polishing bars.	Oct. 19, 1875	630	209	8	670
8, 443	Farmer, David J. and Samuel, assignors to Fred S. and Hartley K. Armstrong, and David J. and J. P. Farmer, Penn Yan, N. Y. Horseshoe-nail machine.	Sept. 28, 1875	825	{ 262 263 }	8	546
164, 284	Farmer, George P., Brooklyn, N. Y., assignor to Erasmus C. and John H. Pratt, England, and George P. Farmer, New York, N. Y. Card of buttons. (Design.)	June 29, 1875			7	1098
170, 624	Farmer, George P., Brooklyn, N. Y. Putting up yarn.	June 8, 1875	421	141	7	998
167, 883	Farmer, Henry R., Ringgold, Va. Tobacco-drier.	Nov. 50, 1875	1292	408	8	937
160, 173	Farmer, James C., Providence, R. I., assignor of one-half interest to John W. White, Dedham, Mass. Exhaust-pipe for locomotives.	Sept. 21, 1875	478	151	8	489
170, 540	Farmer, John, Harrow, and James B. Hamilton, Oxford, England. String for musical instruments.	Feb. 23, 1875	896	295	7	328
	Farmer, John S., and Edward Tyler, London, England. Electric railway-signal.	Nov. 30, 1875	1207	380	8	926

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	Farmer, J. P., et al. (See Farmer, David J. and Samuel, assignors.)					
6, 244	Farmer, Moses G. (See Channing & Farmer) (Reissue.)					
6, 296	Farmer, Moses G., Salem, Mass. Electro-magnetic fire-alarm apparatus (Reissue.)	Jan. 19, 1875	654	214	7	128
	Same..... Method of sending and receiving messages simultaneously over the same telegraph-wire..... (Reissue.)	Feb. 16, 1875	736	245	7	298
160, 581	Same..... Duplex telegraph apparatus.....	Mar. 9, 1875	301	102 } 7	401	
161, 874	Same..... Magneto-electric machine.....	Apr. 13, 1875	263	88 } 7	618	
	Farmer, Samuel. (See Farmer, David J. and Samuel.)					
161, 106	Farmer, Theodore P., Boston, Mass. Drill-bit.....	Mar. 23, 1875	804	264	7	465
167, 884	Farmer, Theodore P., Boston, assignor to self and Edward M. Farnsworth, Revere, Mass. Countersink.....	Sept. 21, 1875	478	151	8	489
	Farmer, William. (See Smith & Farmer.)					
167, 605	Farmer, William, New York, N. Y. Movable dip-pipe in gas-making apparatus.....	Sept. 14, 1875	214	66	8	443
167, 606	Same..... Rotary valve for dip-pipes.....	Sept. 14, 1875	214	67	8	443
162, 160	Farnan, James, Cleveland, Ohio. Lubricator for steam-engines.....	Apr. 20, 1875	529	174	7	659
	Farnham, Charles H. (See Beau & Farnham.)					
169, 897	Farnham, Frederiek A., Owego, N. Y. Foot-rest.....	Nov. 16, 1875	590	183	8	826
	Farnham Type Letter Manufacturing Company. (See Thompson, David B., assignor.)					
	Farnsworth, Edward M. (See Farmer, Theodore P., assignor.)					
159, 084	Farnsworth, Edwin I., Leavenworth, Kans. Iron bridge.....	Jan. 26, 1875	725	239	7	146
158, 788	Farnsworth, Luther H., Hudson, assignor to John S. Folsom, Boston, Mass. Machinery for crimping hoots and shoes.....	Jan. 19, 1875	421	141	7	99
158, 789	Farnsworth, Luther H., Hudson, and Thomas Barrett, assignors to John S. Folsom, Boston, Mass. Boot and shoe crimping machine.....	Jan. 19, 1875	422	142	7	99
158, 580	Farquhar, Arthur B., York, Pa. Plow.....	Jan. 12, 1875	216	74	7	54
166, 354	Same..... Grain-separator.....	Aug. 3, 1875	152	47	8	221
168, 469	Same..... Horse-power.....	Oct. 5, 1875	132	45	8	584
162, 365	Farr, Royall D., East Middlebury, Conn. Stove-pipe shelf.....	Apr. 20, 1875	719	234	7	682
	Farr, V. A. (See Rigby, James, assignor.)					
	Farrar, Alonzo. (See Adams, Franklin F., assignor.)					
166, 758	Farrar, Chilion M., Buffalo, N. Y. Rotary balanced valve.....	Aug. 17, 1875	562	172	8	296
169, 533	Farrar, James B., Cary, N. C. Machine for packing tobacco in bags.....	Nov. 2, 1875	187	63, 64	8	760
	Farrar, John M., et al. (See Alger, George A., assignor.)					
161, 399	Farrar, Oscar, Rindge, N. H. Sewing-machine.....	Mar. 30, 1875	1100	356	7	531
161, 675	Farrell, John, New York, N. Y. Door for safes.....	Apr. 6, 1875	75	27	7	580
160, 313	Farrell, John, Pittsburgh, Pa. Water-closet valve.....	Mar. 2, 1875	53	19	7	356
163, 005	Same..... Basin-faucet.....	May 11, 1875	267	87	7	790
8, 794	Farrell, John R., Boston, Mass. Button..... (Design.)	Nov. 16, 1875			8	819
160, 263	Farrington, De Witt C., Lowell, Mass. Cartridge.....	Mar. 2, 1875	7	4	7	350
163, 922	Same..... Feed-case for machine-guns.....	June 1, 1875	69	23	7	940
165, 318	Same..... Machine-gun.....	July 6, 1875	161	48, 49	8	30
166, 923	Same..... Cartridge-feeding case for machine-guns.....	Aug. 24, 1875	728	225	8	328
166, 924	Same..... Feed-case for cartridges.....	Aug. 24, 1875	729	226	8	328
160, 661	Farrington, George K., and Bradford S. Potter, Bloomington, Ill.; said Farrington assignor to said Potter. Clothes-pin.....	Mar. 9, 1875	373	126	7	411
167, 087	Farris, William, Yarmouth, Me. Grate-bar.....	Aug. 24, 1875	888	277	8	350
169, 631	Farson, Enoch S., Philadelphia, Pa. Water-filter.....	Nov. 9, 1875	307	99	8	783
8, 305	Farwell, George S., Boston, Mass. Fan..... (Design.)	May 4, 1875			7	742
	Farwell, Pulaski. (See Holton, Cassius, assignor.)					
169, 686	Farwell, Willard B., New York, N. Y. Machine-gun.....	Nov. 9, 1875	364	115 } 8	790	
164, 642	Fasoldt, Bernard, Albany, N. Y. Breech-loading fire-arm.....	June 23, 1875	768	252	7	1062
165, 991	Fasoldt, Charles, Albany, N. Y. Tower-clock.....	July 27, 1875	859	264	8	162
166, 197	Fasoldt, E. Max, Albany, N. Y. Fancet.....	Aug. 3, 1875	13	5	8	201
170, 246	Fatzinger, Alexander H., New York, N. Y., assignor to self and James McFarlane, North Bergen, N. J. Carboy.....	Nov. 23, 1875	927	289	8	879
169, 975	Fauglit, Luther R., Philadelphia, Pa. Car-axle box.....	Nov. 16, 1875	653	204	8	835
	Faulkner, Charles J., jr., et al. (See Fisher & Fiske, assignors.)					
	Faulkner, E. B., et al. (See Fisher & Fiske, assignors.)					
	Faulkner, Edward H. (See Paradis, Joseph, assignor.)					
	Same..... (See Turpie, John, assignor.)					
166, 026	Faulkner, James W., Auburn, Cal. Portable fruit-drier.....	July 27, 1875	946	292	8	175
	Faulkner, John. (See Fisher, Albert, assignor.)					
161, 333	Faulkner, Oscar F. A., Mount Pleasant, Iowa. Bed-bottom.....	Mar. 30, 1875	1033	336	7	522
	Faulkner, William H., et al. (See Hardman, John H., assignor.)					
158, 924	Fauré, Marie J. F. R., and Jacques L. Kessler, Clermont-Ferrand, France. Apparatus for concentrating and evaporating sulphuric acid.....	Jan. 19, 1875	553	184	7	115
162, 637	Fawcett, Edward W., Salem, Ohio. Straw-cutter.....	Apr. 27, 1875	983	316	7	724
162, 366	Fawcett, Thomas C., Saint Clairsville, Ohio. Automatic rain-water cut-off.....	Apr. 20, 1875	720	235	7	683
167, 514	Fawkes, Joseph W., Maroa, Ill. Check-row corn-dropper.....	Sept. 7, 1875	119	37	8	423
164, 985	Faxon, James W., Boston, Mass. Valve for steam-radiators.....	June 29, 1875	1100	355	7	1112
170, 836	Faxon, John L., Quincy, Mass. Ventilator.....	Dec. 7, 1875	162	55	8	972
	Fay & Co., J. A. (See Bugbee, George W., assignor.)					
	Same..... (See Doane & London, assignors.) (Reissue.)					
	Same..... (See Doane & Passel, assignors.)					
	Same..... (See Rees, Edward H., assignor.)					
	Same..... (See Streit, Anton, assignor.)					
161, 497	Fay, Artemas W., Troy, assignor of one-half interest to William R. Benedict, Cohoes, N. Y. Folding extension-table.....	Mar. 30, 1875	1197	384	7	543
	Fay, George W. (See Summers & Fay.)					
161, 770	Fay, John, New Boston, Mich. Sulky-plow.....	Apr. 6, 1875	154	53	7	591
163, 647	Fayette, John B., and Lorenzo Meeker, Oswego, N. Y. Lifting-jack.....	May 25, 1875	893	282	7	895
165, 485	Same..... same.....	July 13, 1875	355	104	8	64
169, 158	Feder, Joseph, Newark, N. J. Process of covering harness-mountings with leather.....	Oct. 26, 1875	824	267	8	704
158, 479	Feder, Sigmund, and Leo Rosenstein, Memphis, Tenn. Curling-iron.....	Jan. 5, 1875	113	38	7	25
162, 464	Fee, Elisha, Colfax, Iowa. Grain-car door.....	Apr. 27, 1875	838	270	7	706
167, 443	Feigl, Michael, New Utrecht, N. Y. Wagon-spring.....	Sept. 7, 1875	58	17	8	414
160, 978	Feigl, Albert, Philadelphia, Pa. Toy money-box.....	Aug. 24, 1875	783	241	8	335
	Feix, John, San Francisco, Cal. Metallurgic furnace.....	Mar. 9, 1875	374	126	7	411
165, 811	Same..... Crucible.....	July 20, 1875	670	205	8	125
167, 885	Felber, Jacob, Saint Louis, Mo. Governor.....	Sept. 21, 1875	479	151	8	489
161, 460	Felbinger, Franz, and Johann G. Koch, Vienna, Austria. Piston for steam-engines, pumps, &c.....	Mar. 30, 1875	1101	256	7	531

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162, 367	Feldmeier, Henry, and Edward Stoepfelwerth, Saint Louis, Mo. Coal-scuttle.	Apr. 20, 1875	721	235	7	683
170, 360	Fell, Ambrose G., assignor to self, William H. Phelps, and William H. Smith, New York, N. Y. Vegetable parchment.	Nov. 23, 1875	1024	.....	8	893
167, 607	Fell, Thomas M., Brooklyn, N. Y., assignor to George B. Ripley, trustee. Process for separating the various constituents of fats, &c.	Sept. 14, 1875	215	67	8	443
168, 009	Fellner, Louis G., Santa Fé, N. Mex. Turbine wind-wheel.	Sept. 21, 1875	578	186	8	505
165, 221	Fellows, Albert G., Philadelphia, Pa. Mallet.	July 6, 1875	74	22	8	19
163, 563	Fellows, George E. (See Elliott, Fellows & Simmons.) Fellows, Joseph, and John Finnegan, Philadelphia, Pa. Combined shutter bower and fastener.	Oct. 11, 1875	247	80, 81	8	607
162, 541	Fellows, T. S. (See Kellett, Thomas A., assignor.) Fellows, William C., assignor to self and Charles Whittingham, Toledo, Ohio. Scaffold-clamp.	Apr. 27, 1875	906	289	7	714
166, 759	Same. .... same	Aug. 17, 1875	562	173	8	296
159, 170	Felt, George H., New York, N. Y. Breech-loading ordnance.	Jan. 26, 1875	799	{ 261 262 }	7	156
165, 066	Felt, Granville, et al. (See Putnam, Albert M., assignor). (Reissue.)	June 29, 1875	1186	382	7	1124
159, 808	Felt, Hannibal, Ohio, and Pascal P. Child, Carlyle, Ill. Rotary churn	Feb. 16, 1875	553	184	7	273
167, 088	Felt, Vanderlyn H., Kendall, assignor of one-half interest to D. M. Osborne & Co., Auburn, N. Y. Harvester-rake.	Aug. 24, 1875	888	277	8	350
171, 603	Felton, Philo S., Cazenovia, N. Y. Locking-latch.	Dec. 23, 1875	933	306	8	1069
161, 020	Felthousen, Edward G., Buffalo, N. Y. Fastener for meeting-rails of sashes.	Mar. 23, 1875	732	237	7	474
6, 341	Felthousen, Henry C., Buffalo, N. Y. Lens for head-lights. (Reissue.)	Mar. 23, 1875	1010	329	7	511
162, 280	Felthousen, Jacob D., Chicago, Ill. Horseshoe.	Apr. 20, 1875	638	208	7	673
159, 569	Felton, Asa Y., Plain View, Minn. Fanning-mill.	Feb. 9, 1875	320	105	7	336
159, 505	Fender, William J., Minneapolis, Minn. Middlings-purifier.	Feb. 9, 1875	262	55	7	228
163, 061	Fenley, George W., Nacogdoches, Tex. Rotary cultivator and chopper.	May 11, 1875	323	104	7	796
158, 411	Fenn, Edward P., Kansas City, Mo. Feed-water heater and filter.	Jan. 5, 1875	53	18, 19	7	16
162, 046	Fenn, Robert, assignor to George H. Mellen, Rochester, N. Y. Ornamental wood flooring-tile.	Apr. 13, 1875	408	137	7	637
166, 267	Fenner, Ferdinand A., and John H. Power, Mission Valley, Tex. Apparatus for destroying the cutting ant.	Aug. 3, 1875	76	23	8	210
167, 159	Fenner, Robert R., Urbana, Ill. Sulky-plow.	Aug. 31, 1875	980	304	8	370
164, 678	Fennessy, Edward H., Newton, Mass. Bronze dressing for leather.	June 22, 1875	799	.....	7	1066
165, 554	Fensom, John, Toronto, Canada. Self-closing hatchway.	July 13, 1875	416	125	8	74
164, 368	Fenton, Charles, New York, N. Y. Pipe tongs and cutter.	June 15, 1875	516	169	7	1020
162, 368	Fergus, David, Philadelphia, Pa. Steam-injector.	Apr. 20, 1875	721	235	7	683
8, 321	Ferguson, Charles M. (See Young & Ferguson.) Ferguson, Charles M., and William F. Gilbert, Derby, Conn. Toy money-box. (Design.)	May 11, 1875	.....	.....	7	782
160, 409	Ferguson, Edwin L., et al. (See Curtis, William H., assignor). (Reissue.)	Mar. 2, 1875	134	47, 48	7	368
160, 410	Same. .... Carburetor or hydrocarbon diffuser.	Mar. 2, 1875	136	48	7	368
158, 790	Ferguson, James, Bridgewater, Mass. Tin-lining metallic pipes.	Jan. 19, 1875	425	.....	7	99
171, 004	Ferguson, James, assignor to Bridgewater Iron Company, Bridgewater, Mass. Composition for covering metallic surfaces.	Dec. 14, 1875	334	.....	8	1002
159, 661	Ferguson, James F., Ess x, Vt. Evaporating-pan.	Feb. 9, 1875	396	132	7	247
171, 219	Ferguson, James H. (See Ferrin, Adelbert W., assignor.)	Dec. 21, 1875	565	186	8	1040
164, 285	Ferguson, John L. (See Ferguson & Jones, assignors.)	June 8, 1875	422	141	7	998
159, 913	Ferguson, Nelson D., Carthage, N. Y. Milk-cooler.	Feb. 16, 1875	649	215	7	286
168, 245	Ferguson, Robert, Toronto, Canada. Car-door.	Sept. 28, 1875	827	264	8	546
160, 411	Ferguson, Samuel T., assignor to the Monitor Plow Works, Minneapolis, Minn. Plow-adjuster.	Mar. 2, 1875	137	48	7	368
167, 444	Ferguson, William C., and John S. Jones, assignors to John L. Ferguson, Saint Louis, Mo. Ore-stamp.	Sept. 28, 1875	827	264	8	546
160, 411	Ferguson, William H., Rochester, N. Y. Method of straightening whalebone.	Mar. 2, 1875	137	48	7	368
167, 444	Ferguson, William K., et al. (See Bridge, Edward W., assignor.)	Sept. 7, 1875	59	18	8	414
160, 266	Fernald, Daniel H., Bangor, Me. Man-hole cover for sewers.	Mar. 2, 1875	8	4	7	350
161, 771	Fernald, Edward S. M., Saco, Me. Friction-clutch.	Apr. 6, 1875	155	54	7	591
161, 772	Fernandez, José. (See Clouman, Augustus F., assignor.) Fernandez, Peter B., San Francisco, Cal. Aerial toy.	Apr. 6, 1875	156	54	7	591
167, 655	Ferron, Daniel M. (See Emery, Francis W. R., assignor.)	Sept. 14, 1875	256	80	8	449
163, 173	Ferris, Alfred C., Philadelphia, Pa. Ash-sifter.	May 11, 1875	424	137	7	810
167, 830	Ferris, Alfred C., and Charles E. School, Philadelphia, Pa. Kaleidorama.	Sept. 21, 1875	429	136	8	482
166, 266	Ferris, George H., Brooklyn, N. Y. Steam-cooking apparatus.	Aug. 3, 1875	76	23	8	210
166, 868	Ferris, Henry L., Alden, Ill. Fly-trap.	Aug. 17, 1875	659	{ 204 205 }	8	310
169, 559	Ferris, Henry L., and Cyrus Lewis, Alden, Ill. Automatic gate.	Oct. 26, 1875	825	268	8	704
167, 324	Ferris, Sherwood B., Brooklyn, N. Y. Corset.	Aug. 31, 1875	1117	351	8	390
161, 107	Ferroux, Camille, Grenchen, Switzerland. Rock-drilling machine.	Mar. 23, 1875	805	264	7	485
158, 693	Ferry, George H., New York, N. Y., assignor to Jeremiah B. Bradford, Boston, Mass. Bottle-filler and corker.	Jan. 12, 1875	318	108	7	62
170, 541	Ferry, George H., New York, N. Y., assignor to Jeremiah B. Bradford, Boston, Mass. Bottle-filler and corker.	Nov. 30, 1875	1209	380	8	926
169, 247	Fetherston, Thomas, assignor to Arthur A. Speck, county of Carleton, Canada. Inside blinds.	Oct. 26, 1875	899	292	8	715
170, 074	Fetta, Henry H., Richmond, Ind., and Sterling D. Tuttle, Eaton, Ohio. Wagon-axle skein.	Nov. 16, 1875	747	236	8	847
166, 269	Fetterhoff, Albert. (See Reeder & Fetterhoff.)	Aug. 3, 1875	77	24	8	210
159, 400	Feust & Rice. (See Voit, Frederick, assignor.) Feust, Sigmund, New York, N. Y. Convertible rocking-chair and swing.	Feb. 2, 1875	142	49	7	204
169, 560	Pewkes, Joseph T., assignor to Jacob H. Armbruster, Philadelphia, Pa. Differential pulley.	Oct. 26, 1875	826	268	8	704
169, 687	Pey, David, and R. Hermann Pein, Peoria, Ill. Game-counter.	Nov. 9, 1875	372	116	8	791
167, 232	Pick, Henry, New York, N. Y. Globe attachment to clocks.	Aug. 31, 1875	1040	323	8	378
6, 648	Field, Austin W., assignor of one-half interest to Frederick W. Coe, Vergennes, Vt. Carriage-jack.	Sept. 21, 1875	658	209	8	515
6, 502	Field, Ben., Albion, N. Y., and George M. Pullman, Chicago, Ill., assignors, by mesne assignments, to George M. Pullman. Sleeping-car. (Reissue.)	June 22, 1875	1077	328	7	1094
166, 987	Field, Benjamin F., Beloit, Wis. Manufacture of paper-boards. (Reissue.)	July 27, 1875	948	292	8	175
167, 233	Field, Benjamin F., Fond du Lac, Wis. Manufacture of lined straw-boards. (Reissue.)	Aug. 31, 1875	1041	324	8	378
167, 233	Field, Benjamin F., Lima, Ohio. Machine for making pasteboard.	Mar. 9, 1875	304	103	7	401
160, 582	Field, Benton J., Leaksville, N. C. Plate for artificial teeth.	Mar. 9, 1875	304	103	7	401

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
8, 338	Field, Franklin A. Everett, assignor to New England Casket Company, Boston, Mass. Burial-casket. (Design)	May 25, 1875	.....	.....	7	879
161, 676	Field, Frederick H., Providence, R. I. Fire-alarm regulator.	Apr. 6, 1875	76	27	7	520
166, 760	Field, George F., et al. (See Gue, Albert F., assignor) Construction of walls. (Reissue)	Aug. 17, 1875	563	173	8	296
160, 818	Field, Granville H., Auburn, Me. Bucket-car	Mar. 2, 1875	542	176	7	440
168, 890	Field, James D., Blue Rapids, assignor to self and J. D. Edmond, Leavenworth, Kans. Bucket-car	Mar. 16, 1875	542	176	7	440
	Field, James D., Blue Rapids, assignor to self and J. D. Edmond, Leavenworth, Kans. Picket-pin	Oct. 19, 1875	550	180	8	659
160, 663	Field, Joseph F. (See Waas, Maurice A., assignor.)	Mar. 9, 1875	375	126	7	411
171, 006	Field, Joseph S., Brooklyn, N. Y. Dredging-box	Dec. 14, 1875	335	111	8	1002
167, 886	Same.....Canister	Sept. 21, 1875	481	152	8	490
	Field, Josiah W., Rockford, Ill. Ironing-table					
161, 108	Field, Mary E. C. (See Field, Thomas B., assignor.)	Mar. 23, 1875	807	265	7	485
169, 093	Field, Thomas B., Corning, N. Y. Smoke-stack heater-pipe	Mar. 23, 1875	807	265	7	485
	Field, Thomas B., assignor to Mary E. C. Field, Corning, N. Y. Smoke-stack heating apparatus.	Oct. 26, 1875	766	249	8	695
170, 247	Same.....Heating-drum	Nov. 23, 1875	928	289	8	879
160, 314	Field, William H., Taunton, Mass. Nail-plate feeder.	Mar. 2, 1875	54	19	7	356
171, 005	Same.....same	Dec. 14, 1875	335	111	8	1002
161, 401	Fieldhouse, Joseph, assignor of one-half interest to George N. Dutcher, Chicago, Ill. Pipe-welding furnace	Mar. 30, 1875	1102	357	7	531
	Fielemeyer, Joseph. (See Wiegand, Emil H., assignor.)	Nov. 16, 1875	654	204	8	835
169, 976	Fiefield, John B. M., Philadelphia, Pa. Sofa-bedstead	July 13, 1875	281	83	8	54
165, 412	Fiefield, John W., North Brookfield, Mass. Skiving and welt-splitting machine	Nov. 16, 1875	654	204	8	835
160, 174	Filbert, Lewis S., Philadelphia, Pa., and Lindley M. Hoffman, Washington, D. C. Pavement	Feb. 23, 1875	897	295	7	328
163, 758	Same.....Wood pavement	May 25, 1875	983	312	7	506
168, 470	Finch, Lewis, Brooklyn, N. Y. Circuit-closer for electrical burglar-alarms	Oct. 5, 1875	133	45	8	584
161, 940	Finch, Smith H., New York, N. Y. Apparatus for operating and locking switch-signals	Apr. 13, 1875	321	108	7	625
	Finch, William S. (See Briggs, Johnson, assignor.)	Dec. 7, 1875	163	55	8	972
170, 837	Finckrock, John, Piqua, Ohio. Ironing-table	Dec. 7, 1875	163	55	8	972
	Fingland, William, et al. (See Pitt, Frederic, assignor.)	Jan. 19, 1875	554	184	7	115
158, 925	Fink, John B., Saegertsville, Pa., assignor to William S. Godshall. Wheel for vehicles	Jan. 19, 1875	554	184	7	115
165, 319	Finley, James R., Delphi, assignor to self, M. Simpson, and J. H. Cable, La Fayette, Ind. Railway-wrench	July 6, 1875	162	49	8	31
171, 113	Finley, James R., assignor of one-half interest to James M. Watts, Delphi, Ind. Whiffletree	Dec. 14, 1875	430	143	8	1015
158, 364	Finley, John E., Memphis, Tenn. Churn-dasher	Jan. 5, 1875	14	5	7	10
158, 365	Same.....Churn	Jan. 5, 1875	14	5	7	10
	Finnegan, John. (See Fellows & Finnegan.)	Mar. 23, 1875	808	265	7	485
161, 109	Finnell, Benjamin P., New York, N. Y. Gong for street-cars, &c	July 27, 1875	808	265	7	485
8, 496	Finney, Edward, Philadelphia, Pa. Glass vessel. (Design)	July 27, 1875	808	265	7	485
8, 830	Same.....Inkstand. (Design)	Dec. 7, 1875	163	55	8	945
160, 891	Finney, Hiram S., Detroit, Mich. Street-sign	Mar. 16, 1875	600	195	7	448
170, 248	Finney, William S., Harrisburg, Pa. Steam-engine frame	Nov. 23, 1875	929	289	8	879
168, 976	Finby, Edwin A., jr., Norwalk, Ohio. Reciprocating churn	Oct. 19, 1875	632	209	8	670
6, 533	Firm, Joseph L., New York, N. Y. Device for protecting the ends of rolls of paper. (Reissue)	July 6, 1875	256	76	8	43
6, 760	Firm, Joseph L., New York, N. Y., assignor of one-half interest to Calvert B. Cottrell and Nathan Babcock. Printing-press. (Reissue)	Nov. 23, 1875	1097	345	8	903
160, 175	Firm, Joseph L., New York, N. Y. Device for protecting the ends of rolls of paper, &c	Feb. 23, 1875	897	296	7	328
168, 977	Firm, Joseph L., New York, N. Y., assignor of one-half interest to Calvert B. Cottrell and Nathan Babcock. Stereotype-block	Oct. 19, 1875	633	209	8	670
168, 978	Same.....Machine for damping paper	Oct. 19, 1875	634	210	8	670
169, 795	Same.....Rotary perfecting-press	Nov. 9, 1875	481	151	8	805
169, 796	Same.....same	Nov. 9, 1875	482	152	8	805
170, 542	Same.....same	Nov. 30, 1875	1211	381	8	927
160, 412	Same.....same	Mar. 2, 1875	138	49	7	368
	Firman, Henry S., Jersey City, N. J. Combined Turkish and vapor bath	Mar. 2, 1875	138	49	7	368
	Firmenich, Frank, et al. (See Firmenich & Stiker, assignors.)					
	Firmenich, Frank. (See Firmenich, Joseph and George, assignors.)					
	Firmenich, George, et al. (See Firmenich & Stiker, assignors.)					
	Firmenich, George. (See Firmenich, Joseph and George.)					
165, 222	Firmenich, Joseph and George, Buffalo, N. Y., assignors of one-third interest to Frank Firmenich, Buffalo, N. Y. Steam-generator	July 6, 1875	75	22	8	19
169, 977	Firmenich, Joseph, and Flavius P. Stiker, assignors to Joseph, George, and Frank Firmenich, Buffalo, N. Y. Sectional boiler	Nov. 16, 1875	655	205	8	835
166, 355	Firth, John, New York, N. Y. Resaving-machine	Aug. 3, 1875	154	47	8	221
	Firth, Abraham, executor. (See Whiting, William) (Reissue)					
169, 978	Fischbeck, Frederick, Chicago, Ill. Sofa-bedstead	Nov. 16, 1875	657	205	8	835
170, 723	Fischer, Bernard, Columbus, Ohio. Sash-fastener	Dec. 7, 1875	63	19	8	959
158, 366	Fischer, Francis J., Hamilton, Ohio. Die for making hoes	Jan. 5, 1875	15	5	7	11
158, 694	Fischer, William G., Brooklyn, assignor to A. Weidmann & Co., New York, N. Y. Toy windmill	Jan. 12, 1875	319	108	7	69
	Fish, A. H. (See Eyer, John E., assignor.)					
171, 220	Fish, Charles B., Leominster, Mass. Machine for polishing horn	Dec. 21, 1875	566	186	8	1041
	Fish, George W. (See Wilson, Thomas, assignor.)					
169, 248	Fish, Joseph, New York, N. Y. Swivel shuttle-loom	Oct. 26, 1875	900	{ 292 } { 293 }	8	715
164, 825	Fish, Leander E., Washington, D. C. Apparatus for carbureting and purifying gas and air	June 22, 1875	933	303	7	1084
167, 515	Fish, Warren L., Newark, N. J. Sewing-machine	Sept. 7, 1875	120	37	8	423
6, 612	Fishbaugh, Charles, Tiffin, Ohio. Chain-pump. (Reissue)	Aug. 24, 1875	957	298	8	359
163, 859	Same.....same	June 1, 1875	22	7	7	933
163, 860	Same.....same	June 1, 1875	23	7	7	933
	Fishbaugh, George, Tiffin, Ohio. Chain-pump					
	Fishburne, Ephraim G., et al. (See Winton, Albert, assignor.)					
168, 891	Fisher, Albert, assignor to self and John Fankner, Cleveland, Ohio. Flue-scraper	Oct. 19, 1875	550	180	8	659
167, 516	Fisher, Bedford, and William Wickkiser, El Paso, Ill. Feed-cooker	Sept. 7, 1875	121	37	8	423
	Fisher, Carolina. (See Fisher, John L., assignor.)					
169, 428	Fisher, Charles N., assignor of one-half interest to Joseph Frampton, Willis, Tex. Brick-machine	Nov. 2, 1875	99	31	8	743
160, 090	Fisher, Daniel A., assignor to self and O. Chambers, Allegheny, Pa. Miter-machine	Feb. 23, 1875	827	272	7	318
162, 281	Fisher, David A., Jr., Washington, D. C. Joiner's clamp	Apr. 20, 1875	639	200	7	673
168, 531	Fisher, George T., Cincinnati, Ohio. Circus-seat	Oct. 11, 1875	315	102	8	616
159, 542	Fisher, George W., Baltimore, Md. Soldering-machine	Feb. 9, 1875	302	98	7	233

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Fisher, Henry J., <i>et al.</i> (See Dewitt, James, assignor.)					
	Fisher, Henry N., <i>et al.</i> (See Ballou, George F., assignor.)					
163, 759	Fisher, James W. R., and William H. Fiske, Martinsburgh, W. Va., assignors of one-third interest to Charles J., jr., and E. B. Faulkner. Hydrant	May 25, 1875	984	312	7	906
8, 560	Fisher, Jeremiah R. (See Reichard & Fisher.)					
	Fisher, John, assignor to E. S. Higgins & Co., New York, N. Y. Carpet..... (Design)	Aug. 10, 1875			8	241
167, 325	Fisher, John L., assignor to Carolina Fisher, Buffalo, N. Y. Bird-cage	Aug. 31, 1875	1119	351	8	390
	Fisher, Joseph G., <i>et al.</i> (See Hunter, William K., assignor.)					
161, 941	Fisher, Myers C., Philadelphia, Pa. Gas-regulator	Apr. 13, 1875	322	108	7	625
169, 979	Fisher, Robertson J., and John Lichtenberger, Fort Wayne, Ind. Curtain-roller	Nov. 16, 1875	657	206	8	835
159, 309	Fisher, Samuel N., Milford, Mass. Scaffold-bracket	Feb. 2, 1875	57	21	7	192
164, 986	Fisher, Simeon L., assignor of two-thirds interest to Webster Huey and William W. Cowles, Brimfield, Ill. Gateway	June 29, 1875	1101	355	7	1112
169, 534	Fisher, William F., and Amos C. Brown, Houston, Tex. Fluting-iron	Nov. 2, 1875	188	64, 65	8	761
165, 087	Fisk, Asa J., assignor of one-half interest to Henry H. Rugg, Akron, Ohio. Spring-setting machine	June 29, 1875	1187	382	7	1124
	Fisk, Clark & Flagg. (See Fisk, Henry G., assignor.)					
	Same..... (See Fisk, Stephen W., assignor.)					
161, 110	Fisk, Henry G., assignor to Fisk, Clark & Flagg, New York, N. Y. Shirt	Mar. 23, 1875	809	265	7	485
161, 111	Fisk, Stephen W., assignor to Fisk, Clark & Flagg, New York, N. Y. Cast-off for suspenders	Mar. 23, 1875	810	265	7	485
161, 942	Fisk, William M., Lancaster, Pa. Fastening for tool-handles	Apr. 13, 1875	322	108	7	625
8, 058	Fiske, Joseph W., New York, N. Y. Aquarium..... (Case A. Design)	Feb. 16, 1875			7	261
8, 059	Same..... (Case B. Design)	Feb. 16, 1875			7	261
8, 060	Same..... (Case C. Design)	Feb. 16, 1875			7	261
8, 061	Same..... (Case D. Design)	Feb. 16, 1875			7	261
8, 186	Same..... Fountain..... (Design)	Mar. 2, 1875			7	345
8, 206	Same..... Aquarium..... (Design)	Mar. 16, 1875			7	427
8, 213	Same..... Cast..... (Design)	Mar. 23, 1875			7	466
8, 214	Same..... same..... (Design)	Mar. 23, 1875			7	466
8, 368	Same..... Vase..... (Design)	June 1, 1875			7	926
8, 488	Same..... Drinking fountain..... (Design)	July 20, 1875			8	95
8, 575	Same..... Handle for vases..... (Design)	Aug. 24, 1875			8	322
8, 801	Same..... Lawn-settee..... (Design)	Nov. 23, 1875			8	862
6, 404	Fiske, William H. (See Fisher & Fiske)					
	Fitch, George, and Peter Shafer, assignors, by mesne assignments, to George Fitch and John D. Hieber, Etna, and Frederick G. Segebruck, Millvale, Pa. Machine for forging metallic sockets..... (Reissus)	Apr. 27, 1875	1103	348	7	738
	Fitch, John. (See Hamilton, Silas H., assignor.)					
160, 842	Fitch, Raymond, Cleveland, Ohio. Swinging gate	Mar. 16, 1875	560	181	7	443
159, 252	Fitzner, Peter L., Reading, Pa. Nut-machine	Feb. 2, 1875	10	3	7	186
167, 089	Fitt, Frederick, assignor of one-half interest to William Fingland and Benjamin J. Draper, Ottawa, Canada. Independent escapement for watches	Aug. 24, 1875	890	277 278	8	350
	Fitts, Benajah. (See Ball & Fitts.)					
170, 945	Fitzhous, Jacob R., Centre Hall, Pa. Adjustable lock and dog for hay-elevators	Dec. 14, 1875	275	92	8	995
158, 581	Fitz, Ellen E., St. John, New Brunswick. Globe	Jan. 12, 1875	217	74	7	55
	Fitzgerald, Edward M. (See Buckley, Ezra, assignor.)					
169, 429	Fitzgerald, Walter, assignor of two-thirds interest to W. E. Putnam and H. S. Jenkins, Boston, Mass. Boot and shoe nailing machine	Nov. 2, 1875	99	31	8	748
170, 898	Fitz Gerald, Walter H., Brooklyn, N. Y. Washer for car-axles	Dec. 7, 1875	163	55	8	972
163, 470	Fitz Gerald, William J., New Haven, Conn. Shoe-knife	May 18, 1875	709	227	7	864
165, 320	Fitzgibbons, Patrick, Oswego, N. Y. Tube-expander	July 6, 1875	163	49	8	31
171, 114	Fitzhous, Jacob R., Indiana, Pa. Hay-elevator dog	Dec. 14, 1875	431	143	8	1015
160, 664	Fitzhugh, Henry M., Bay City, Mich. Barrel	Mar. 9, 1875	367	127	7	412
160, 665	Same..... same.....	Mar. 9, 1875	376	127	7	412
	Fitzpatrick, John B., <i>et al.</i> (See Fuller, George W., assignor.)					
161, 773	Fitz Patrick, John J., Philadelphia, Pa. Drawers	Apr. 6, 1875	157	54	7	591
170, 440	Fitzpatrick, Luke, Wheeling, W. Va. Screen	Nov. 30, 1875	1116	351	8	914
163, 440	Fitzpatrick, Michael, assignor to William Cassidy, Saint Louis, Mo. Fire-place	July 13, 1875	311	91	8	58
159, 171	Fitz Patrick, William H., Boston, assignor of one-half interest to Albert W. Daniels, Alston, Mass. Wick inserter for lamps	Jan. 26, 1875	801	262	7	156
167, 517	Flack, John J., Joliet, Ill. Propelling-machine	Sept. 7, 1875	122	37	8	423
				235		
162, 369	Flad, Henry, Saint Louis, Mo. Railway-signal	Apr. 20, 1875	722	236 237	7	683
166, 925	Flagg, Eli W., assignor to self and George D. Edmonds, Battle Creek, Mich. Tube-expander	Aug. 24, 1875	729	226	8	328
169, 980	Flagg, George C., Columbus, Ill. Check-row attachment for corn-planters	Nov. 16, 1875	658	206	8	835
	Flagg, Lysander. (See Buckley & Stearns, assignors.)					
	Flagg, Lysander, <i>et al.</i> (See Vanstone, Samuel, assignor.)					
162, 047	Flagg, Stanley G., Philadelphia, Pa. Converting cast-iron articles into steel	Apr. 13, 1875	408		7	637
165, 733	Flagler, Harvey K., and Walter E. Dodge, assignors to National Tube Works Company, Boston, Mass. Pipe-coupling	Oct. 11, 1875	402	131	8	629
170, 473	Flagler, Harvey K., Boston, and Charles F. Brown, Reading, assignors to National Tube Works Company, Boston, Mass. Art of coupling sections of pipe or tubing	Nov. 30, 1875	1147	362	8	918
166, 761	Flamm, Anthony L., Paris, France. Cryptography	Aug. 17, 1875	563	173	8	296
171, 606	Flanagan, James I., Philadelphia, Pa. Cork-stopper	Dec. 28, 1875	934	306	8	1099
	Flanagan, William J. (See Warrington, Joseph H., assignor.)					
	Flanders, Timothy B. (See Buttrick & Flanders.)					
168, 471	Flannery, James J., Pittsburgh, Pa. Corpse-lifter	Oct. 5, 1875	134	45	8	584
162, 638	Fleisch, Jacob H., New York, N. Y. Neck-tie	Apr. 27, 1875	984	316	7	724
169, 349	Fleischmann, Julius W., Williamsburgh, N. Y. Pipe-stem	Nov. 2, 1875	25	8	8	738
163, 984	Fleishman, Samuel S., Philadelphia, Pa. Shirt-bosom	June 1, 1875	120	40	7	947
	Fleming, Henry L. (See Brettell, Edward W., assignor.)					
170, 249	Fleming, Jacob S., Steubenville, Ohio. Mining-drill	Nov. 23, 1875	930	290	8	879
167, 656	Fleming, James, Chicago, Ill. Hydrant	Sept. 14, 1875	257	80	8	449
168, 630	Fleming, James, Buffalo, N. Y. Hatchway-brace	Oct. 11, 1875	314	102	8	616
163, 587	Fletcher, Alfred P., Middletown, Conn. Shingling-bracket	May 25, 1875	839	265	7	837
	Fletcher, James H. (See Bradley, Baldwin L., assignor.)					
169, 688	Fletcher, James H., Wayne Township, assignor of one-half interest to Marquis L. Bass, Crawfordsville, Ind. Horse hay-fork	Nov. 9, 1875	372	116	8	791
	Fletcher, Sherman (See Atherton, Galen P., assignor.)					
159, 543	Fletcher, William, Boston, Mass. Brake for vehicles	Feb. 9, 1875	304	98	7	233
165, 812	Fletcher, William H., Washington, D. C. Combined blind and screen for railway-cars	July 20, 1875	671	205	8	125
163, 922	Fleury, Frank, Springfield, Ill. Weather-strip	July 27, 1875	789	243	8	154



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158, 695	Fliedner, George, Portland, Oreg. Bird-cage attachment.....	Jan. 12, 1875	320	109	7	69
158, 836	Flinn, Edward, and Robert G. Wier, Mobile, Ala. Bale-rie.....	Jan. 19, 1875	468	157	7	104
169, 689	Flinn, John, Philadelphia, Pa. Folding-bedstead.....	Nov. 9, 1875	373	117	8	791
171, 369	Same..... Furniture-spring.....	Dec. 21, 1875	697	229	8	1058
171, 556	Flint, Edwin R. (See Church, Titus S., assignor.) Flockher, Charles W., Washington, D. C. Rotary steam-engine..... Florence Sewing Machine Company. (See Edwards, Oliver, assignor.) Florich, William. (See Weudel & Florich.) Flournoy, Rice S. (See Starr, Henry D., assignor)..... (Reissue.)	Dec. 28, 1875	887	290	8	1093
167, 887	Flow, James, Pilot Point, Tex. Wheel-plow.....	Sept. 21, 1875	481	152	8	490
162, 370	Flower, James, Detroit, Mich. Street-hydrant.....	Apr. 20, 1875	726	237	7	683
159, 401	Floyd, George, Cincinnati, Ohio. Fire-alarm signal-box.....	Feb. 2, 1875	143	49	7	204
159, 914	Fluumerfelt, Daniel A., Delaware Station, N. J., assignor to Philip Lyons. Washing-machine.....	Feb. 16, 1875	650	215	7	286
170, 162	Flürscheim, Michael. (See Baumeister, Leopold, assignor.) Flye, Luther W., and Charles H. Watson, Boston, Mass., assignors of one-third interest to Edward Webb, New Castle, Me. Barrel.....	Nov. 23, 1875	852	266	8	869
162, 371	Flynn, Frederick W., Germantown, assignor to self and William H. Lockwood, Colliersville, Tenn. Cotton-gin feeder.....	Apr. 20, 1875	727	237	7	683
166, 088	Flynn, James, Boston, Mass. Device for bending metal timber-hangers.....	July 27, 1875	949	293	8	175
166, 979	Flyun, John, Moches, Wis. Cultivator-tooth.....	Aug. 24, 1875	783	241	8	335
163, 760	Flynt, Chester D., Brooklyn, N. Y. Bottom for chairs, &c.....	May 25, 1875	985	312	7	907
166, 600	Same..... Car-axle lubricator.....	Aug. 10, 1875	389	123	8	264
162, 542	Flynt, James H., Du Luth, Minn. Construction of watch-movements.....	Apr. 27, 1875	906	290	7	714
165, 813	Foerster, David, Cincinnati, Ohio. Device for glazing crackers.....	July 20, 1875	672	206	8	135
160, 760	Fogarty, James, Newark, N. J. Steam-plow.....	Mar. 16, 1875	487	158	7	433
171, 607	Fogarty, Thomas B., New York, N. Y. Gas-machine.....	Dec. 28, 1875	935	306	8	1099
159, 310	Fogelberg, Carl, Cambridgeport, Mass. Car-brake.....	Feb. 2, 1875	57	22	7	193
159, 311	Same..... Bag or box fastening.....	Feb. 2, 1875	59	22	7	193
162, 909	Fogelberg, Carl, Cambridgeport, assignor to self and Oscar A. Johnson, Boston, Mass. Meat-entter.....	May 4, 1875	158	51	7	768
8, 194	Fogelstrand, Otto F., assignor to Hart, Bliven & Mead Manufacturing Company, Kennington, Conn. Drawer-pull..... (Case O. Design).....	Mar. 9, 1875	.....	.....	7	387
8, 195	Same..... Match-safe..... (Case A. Design).....	Mar. 9, 1875	.....	.....	7	387
8, 196	Same..... same..... (Case B. Design).....	Mar. 9, 1875	.....	.....	7	387
8, 204	Same..... Inkstand..... (Design).....	Mar. 9, 1875	.....	.....	7	387
8, 205	Same..... Paper-weight..... (Case M. Design).....	Mar. 9, 1875	.....	.....	7	387
161, 112	Fogerty, Valentine, Boston, Mass. Finger-nail trimmer.....	Mar. 23, 1875	810	266	7	485
171, 115	Fogh, Hans J., Jedsted Molle, Denmark, assignor to William E. Carlin and Lauritz T. C. Fogh, Creston, Wyo. Millstone.....	Dec. 14, 1875	432	144	8	1015
6, 739	Fogh, Lauritz T. C., et al. (See Fogh, Hans J., assignor.) Foley, James. (See Adee & Foley.) Foley, James, Brooklyn, N. Y., assignor of one-half interest to George C. Gunning. Waste valve and overflow..... (Reissue).....	Nov. 16, 1875	817	257	8	856
168, 472	Foley, John F., New York, N. Y. Vault-light.....	Oct. 5, 1875	134	45	8	584
158, 480	Folk, Deborah C. (See McCloskey, John, assignor.) Folk, Jesse E. (See Miller, Sam. H., assignor.) Follansbee, George, et al. (See Heusch & Beyer, assignors.) Follensbee, George S., Lewiston, Me. Rotary pump.....	Jan. 5, 1875	114	30	7	25
163, 174	Fuller, John. (See Clark, Richardson & Fuller.) Foller, John, Washington, D. C. Weibing-scales.....	May 11, 1875	425	138	7	810
162, 372	Follett, Joseph L., New York, N. Y. Sewing-machine.....	Apr. 20, 1875	727	237	7	683
171, 116	Folliard, Michael, Brooklyn, and William T. Travis, Flat Bush, N. Y. Street-connection for hydrants.....	Dec. 14, 1875	432	144	8	1015
6, 366	Folsom, John S. (See Farnsworth & Barrett, assignors.) Same..... (See Farnsworth, Luther H., assignor.) Foltz, Benjamin, Rockford, Ill. Neck-yoke attachment..... (Reissue).....	Apr. 6, 1875	234	78	7	602
167, 090	Fontayne, Charles, New York, N. Y. Magic lantern.....	Aug. 24, 1875	891	278	8	350
169, 350	Foote, Edward, North Somerville, Mass. Head for barrels and kegs.....	Nov. 2, 1875	26	8	8	738
161, 021	Foote, Edward H., and Edward L. Gilman, Somerville, Mass. Signal-lantern.....	Mar. 23, 1875	722	238	7	474
171, 473	Foote, Isaac N., Middletown, Ohio. Truss-pad.....	Dec. 28, 1875	808	266	8	1082
159, 402	Foote, Mark S., and Greenbury R. Henry, Burlington, Iowa. Converting iron into steel.....	Feb. 2, 1875	145	.....	7	205
6, 434	Foote, Theodore C. (See Curtiss, Edward P., assignor.) Foote, Theodore M., and Charles A. Randall, Brooklyn, assignors, by mesne assignments, to Gold and Stock Telegraph Company, New York, N. Y. Telegraphic printing apparatus..... (Reissue).....	May 18, 1875	805	255	7	875
164, 912	Forbes, Cochran, et al. (See Baxter, De Witt C., assignor.) Forbes, Henry D., Cambridge, Mass. Combined stopper and paddle for blacking-bottles.....	June 29, 1875	1038	335	7	1104
160, 413	Forbes, John T., Charleston, S. C. Washing-machine.....	Mar. 2, 1875	139	49	7	368
162, 101	Forbes, William H., and Nicholas Hallock, Boston, Mass. Bronzing-machine.....	Apr. 20, 1875	530	174	7	659
164, 286	Forbis, Harbert H., assignor of one-half interest to A. H. Peacock, Danville, Ky. Thill-coupling.....	June 8, 1875	422	141	7	998
6, 271	Forbriger, Arthur, Cincinnati, Ohio. Drawing-book..... (Reissue)..... Force, Christian. (See Miller, Rogers & Force.) Force, Cyrus G., jr., Cleveland, Ohio. Excavating apparatus.....	Feb. 2, 1875	244	79	7	218
164, 643	Force, Cyrus G., jr., Cleveland, Ohio. Excavating apparatus.....	June 22, 1875	770	253	7	1062
166, 695	Same..... Canal-lock.....	Aug. 17, 1875	592	154	8	257
168, 386	Ford, David, Milwaukee, Wis. Vehicle-seat.....	Oct. 5, 1875	59	21	8	583
169, 922	Ford, Francis M., and John F. Hicks, Bristol, Tenn. Feed-regulator.....	Nov. 16, 1875	660	206	8	836
158, 926	Ford, Gideon H., Jerseyville, Ill. Carpet-stretcher..... Ford, James. (See Leaman, John.) Ford, John B. (See Masterson, Lovi J., assignor.) Ford, John W. (See Guard, Chauncey H., assignor)..... (Reissue).....	Jan. 19, 1875	555	184	7	115
160, 981	Ford, Oscar E., Meridian, Miss., assignor to self and Minor B. Chinton, Dallas, Tex. Car-coupling..... Ford, Rufus, et al. (See Robertson, William H., assignor.) Ford, Samuel A., Chicago, Ill. Smoke-burning furnace..... (Reissue).....	Nov. 16, 1875	659	206	8	836
6, 666	Ford, Samuel A., Chicago, Ill. Smoke-burning furnace..... (Reissue).....	Sept. 28, 1875	897	286	8	556
163, 861	Ford, Thomas P., assignor of one-half interest to Thomas S. Dick, Brooklyn, N. Y. Swinging ship's berth.....	June 1, 1875	23	7	7	933
167, 091	Ford, Thomas P., Brooklyn, assignor of one-half interest to Thomas S. Dick, Green Point, N. Y. Swinging berth for ships.....	Aug. 24, 1875	893	278	8	351

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162, 465	Ford, Walter J., Adrain, Mich., George Westinghouse, jr., and Thomas W. Welsh, Pitts-	Apr. 27, 1875	839	270	7	706
170, 163	burgh, Pa. Automatic air-escape for railway air-brakes					
170, 184	Ford, William C., Brooklyn, N. Y. Apparatus for superheating air for marine-boiler	Nov. 23, 1875	853	267	8	869
170, 165	Same..... Supplying heated air to boiler-furnaces	Nov. 23, 1875	854	267	8	869
161, 334	Fordyce, Burson, et al. (See Minor, John O., assignor.)	Nov. 23, 1875	855	267	8	869
161, 943	Forehand, Sullivan, and Henry C. Wadsworth, Worcester, Mass. Die for forging spin-	Mar. 30, 1875	1034	336	7	522
162, 162	ning-ring blanks					
163, 175	Same..... Blank for spinning-rings	Apr. 13, 1875	323	109	7	626
162, 162	Same..... Revolving fire-arm	Apr. 20, 1875	531	175	7	659
170, 724	Foreman, James G., Corry, Pa. Cutting-pliers	May 11, 1875	425	138	7	810
160, 761	Foreman, Simon H., et al. (See Phillippi, Francis A., assignor.)	Dec. 7, 1875	63	19, 20	8	959
161, 498	Forman, Jonathan C., Cleveland, Ohio. Perforating attachment for printing-presses					
166, 198	Forist, Merrill C. (See Chandler, Horace J., assignor.)	Mar. 16, 1875	489	159	7	433
169, 797	Formhals, Ferdinand, San Francisco, Cal. Process of obtaining boracic acid from borate					
158, 837	Forquenet, Victor, Paris, France. Slide-valve	Mar. 30, 1875	1198	384	7	543
168, 087	Forrester, Isaac N., Baltimore, Md. Game-board	Aug. 3, 1875	14	5	8	201
159, 172	Same..... Rotary swing	Nov. 9, 1875	484	152	8	805
161, 113	Forrester, John. (See Warnington & Forrester.)	Jan. 19, 1875	468	157	7	105
168, 149	Forsell, Albin. (See Couradson & Forsell.)					
168, 087	Forshee, James M. (See Elliott, William P., assignor.)	Sept. 28, 1875	681	215	8	826
161, 113	Forster, John, New York, N. Y. Coal-box	Sept. 28, 1875	682		8	526
168, 149	Forsyth, James B., Boston, Mass. Vulcanizing hose or tubing	Jan. 26, 1875	801	262	7	156
161, 402	Forsyth, Patrick, Cincinnati, Ohio. Device for changing heads in newspapers	Mar. 23, 1875	811	266	7	485
161, 402	Fort, John N., Philadelphia, Pa., assignor to Dimpsey Wicker Covered Glassware Com-	Sept. 28, 1875	745	235	8	535
169, 797	pany. Implement for molding and perforating faucet-holes in glass bottles, &c.					
158, 837	Forwood, Alfred W., Georgetown, Ky. Thill-coupling	Mar. 30, 1875	1103	357	7	531
166, 198	Fosket, William. (See Cook & Fosket.)	Feb. 9, 1875	397	132	7	247
169, 797	Foskett, William A. (See Brown & Foskett.)					
158, 837	Foss, Charles H., Onarga, Ill. Clevis	July 27, 1875	952	293	8	175
166, 198	Foss, James M. (See Lauder, James N., assignor.)					
166, 089	Foss, John F., assignor of one-half interest to John M. Pevey, Lowell, Mass. Carding-	Aug. 3, 1875	16	5, 6	8	201
158, 696	machine					
162, 543	Foss, John N., et al. (See Rockstroh, Francis E., assignor.)	Jan. 12, 1875	320	109	7	69
159, 312	Foss, Lauritz. (See Rosenstjerna, Anders, assignor.)					
159, 809	Foster, Abraham G. W., Newnan, Ga. Meat-tenderer	Apr. 27, 1875	907	290	7	714
163, 471	Foster, Alexander W., jr. (See Carroll, Rogers & Foster.)					
162, 466	Foster, David, and William Lockwood, Sheffield, England. Mold for casting ingots	Feb. 2, 1875	59	22	7	193
166, 092	Foster, Elon. (See Wadham, Edward F., assignor.)					
164, 257	Foster, Elon, New York, N. Y. Carbureting gas-machine	Feb. 16, 1875	555	184	7	273
159, 312	Foster, Fanny M., executrix. (See Foster, George P.)	May 18, 1875	710	227	7	864
159, 809	Foster, George P., deceased, by Fanny M. Foster, executrix, Leicester, Mass. Sole and					
163, 471	Foster, Henry, Westery, R. I. Carriage-curtain fastening	Apr. 27, 1875	907	290	7	714
162, 466	Foster, Jacob R. (See Morgan & Foster.)	Apr. 27, 1875	907	290	7	714
166, 092	Foster, Jehu, and William A. Weant, Salisbury, N. C. Covering for beds, cribs, &c.					
164, 257	Foster, John C., Lynn, Mass. Hatchway-guard	Apr. 27, 1875	907	290	7	714
159, 312	Same..... same	Aug. 17, 1875	840	270	7	706
159, 312	Foster, John H., and Dennis O. B. Ladd, Chicago, Ill.; said Ladd assignor to said Foster.	June 8, 1875	423	141	7	999
159, 403	Machine for nailing boxes					
167, 326	Foster, John T., Jersey City, N. J., assignor to Francis C. Nye, New York, N. Y. Snap-	Feb. 2, 1875	60	22, 23	7	193
171, 275	book					
167, 831	Same..... Machine for forming snap-hooks	Feb. 2, 1875	61	23, 24	7	193
6, 727	Same..... Soap-book	Feb. 2, 1875	146	49, 50	7	205
158, 481	Foster, Joseph S., Auburn, N. Y. Corn-sheller	Aug. 31, 1875	1120	352	8	390
165, 441	Foster, Joseph S., Salem, Mass., assignor of one-half interest to Chester L. Johnson,	Dec. 21, 1875	617	202	8	1047
168, 246	Utica, N. Y. Steam-engine					
163, 561	Foster, Morrison, Allegheny, Pa. Brick for constructing retorts	Sept. 21, 1875	430	137	8	482
166, 270	Foster, Samuel E. (See Brimhall, Horace J., jr., assignor.)	Nov. 2, 1875	283	91	8	772
165, 677	Foster, Samuel E., assignor, by mesne assignments, to John S. Perry, Albany, N. Y. Hot-					
166, 270	air furnace	Jan. 5, 1875	115	39	7	25
165, 677	Foster, Stephen E., Minneapolis, Minn. Sled	July 13, 1875	312	92	8	58
166, 270	Same..... Vehicle-spring	Sept. 28, 1875	828	264	8	546
160, 766	Fouch, John H., Sauk Centre, Minn. Lamp-burner	Oct. 26, 1875	827	268	8	704
161, 677	Fouillon, Jules, Grenoble, France, assignor to Ed. Jonniaux & Co., Brussels, Belgium.	Aug. 3, 1875	78	24	8	210
166, 762	Glove					
160, 766	Foulis, William, Glasgow, North Britain. Apparatus for charging retorts	July 20, 1875	536		8	106
166, 762	Founts, Thomas F., and Eliza Planck, Burlington, Iowa. Steam-brake	Apr. 6, 1875	77	27	7	580
160, 414	Fowden, Samuel, Philadelphia, Pa. Injector	Aug. 17, 1875	565	173	8	296
170, 250	Fowler, Ambrose, West Troy, N. Y. Needle-case	Mar. 2, 1875	140	49	7	369
162, 639	Fowler, Charles S., Brooklyn, N. Y. Cracker-machine	Nov. 23, 1875	931	290	8	879
158, 791	Fowler, Edwin P., Brooklyn, N. Y. Folding spring bed-bottom	Apr. 27, 1875	985	317	7	724
165, 555	Fowler, Frank G., Bridgeport, Conn. Lubricating device for marine propellers	Jan. 19, 1875	426	142	7	99
167, 518	Fowler, Henry, Detroit, Mich. Machine for cutting hoops	July 13, 1875	417	125	6	74
167, 519	Fowler, Herbert E., New Haven, Conn. Whip-socket	Sept. 7, 1875	123	38	8	423
163, 370	Fowler, James S., Davenport, Iowa. Harvester	Sept. 7, 1875	124	38	8	423
159, 086	Fowler, Joseph, New York, N. Y. Spring bed-bottom	May 18, 1875	625	200	7	852
162, 640	Fowler, Joseph, New York, N. Y., and John H. Dewar, Bergen, N. J. Spring bed-bottom	Jan. 26, 1875	726	240	7	146
168, 632	Fowler, William W., Guilford, Conn. Drinking-cup for invalids	Apr. 27, 1875	985	317	7	724
167, 755	Fox, Alpheus, Rock Falls, Ill. Corn-planter	Oct. 11, 1875	315		8	616
167, 832	Fox, David H., Reading, Pa. Process and apparatus for preventing the accumulation	Sept. 14, 1875	347	110	8	462
160, 176	of tar in hydraulic mains					
169, 430	Fox, George H., Boston, Mass. Clasp for machine belting	Sept. 21, 1875	431	137	8	483
160, 176	Fox, Henry. (See Freshfield, Abraham, assignor.)	Feb. 23, 1875	898	296	7	328
169, 430	Fox, Henry G. (See Boyd & Fox.)					
160, 176	Fox, Jane A., Stamford, N. Y. Dish-drainer	Nov. 2, 1875	101	31	8	748
169, 430	Fox, John, New York, N. Y. Drop-light gasolier					
169, 430	Fox, John B. (See Hauck & Fox.)					

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159, 570	Fox, John J., Boston, Mass. Drawer for furniture .....	Feb. 9, 1875	321	105	7	336
164, 987	Fox, Morris, New York, N. Y. Reversible cap .....	June 29, 1875	1102	355	7	1112
165, 223	Fox, Perley E., Marlow, N. H. Evaporating-pan .....	July 6, 1875	76	22	8	19
162, 048	Fox, Samuel L., Philadelphia, Pa. Lead-holder for dividers .....	Apr. 13, 1875	409	137	7	637
167, 445	Fox, Willard H., New Haven, Conn. Machine for making split keys .....	Sept. 7, 1875	59	18	8	414
6, 448	Foy, Lavinia H., New Haven, Conn. Corset..... (Reissue) .....	May 25, 1875	1059	{ 334 } { 335 }	7	917
	Foye, William H. (See Pierce & Foye.)					
158, 482	Foye, William H., San Francisco, Cal. Rotary plow .....	Jan. 5, 1875	115	39	7	25
8, 329	Fracker, Francis T., assignor to P. and F. Corbin, New Britain, Conn. Coat and hat book .....					
	Same..... (Design) .....	May 18, 1875			7	837
8, 562	Same..... Bird-cage and hanging-basket hook .....	Aug. 10, 1875			8	241
8, 369	Fradley, Joseph F., Brooklyn, N. Y. Fork-handle .....	June 1, 1875			7	996
8, 370	Same..... Spoon-handle .....	June 1, 1875			7	926
162, 641	Frailey, John R., Philadelphia, Pa. Combined level, plumb, &c .....	Apr. 27, 1875	966	317	7	725
164, 288	Fralely, Sylvester W., Wilkesbarre, Pa. Ironing-table .....	June 8, 1875	425	142	7	999
	Fralick, Francis G., et al. (See Lynaban, Daniel, assignor.)					
	Frampton, Joseph. (See Fisher, Charles N., assignor.)					
164, 826	France, Simon W., Brooklyn, N. Y. Feed-water heater for steam-boilers .....	June 22, 1875	939	303	7	1084
	Frañcis, George W. (See Brownlow & Francis.)					
166, 980	Francis, George W., New York, N. Y. Umbrella .....	Aug. 24, 1875	784	242	8	336
164, 289	Francis, Lewis, New York, N. Y. Machine for perforating paper .....	June 8, 1875	426	142	7	999
166, 598	Francis, Samuel W., Newport, R. I. Fare-box .....	Aug. 10, 1875	397	122	8	263
171, 007	Same..... Sewing-machine .....	Dec. 14, 1875	336	{ 111 } { 112 }	8	1002
166, 763	Francisco, Levi, Oakland, Wis. Harrow .....	Aug. 17, 1875	565	174	8	296
	Franck, Henry. (See Krein & Franck.)					
	Frank, Andrew H. (See Spire, George, assignor.)					
165, 720	Frank, Andrew H., and George Spire, Buffalo, N. Y. Molding-machine .....	July 20, 1875	582	178	8	113
171, 570	Same..... Planing-machine .....	Dec. 23, 1875	848	277	8	1087
	Frank, Ernest. (See Oberdorf & Frank.)					
158, 697	Frank, Ernest, Baltimore, Md. Rotary engine .....	Jan. 12, 1875	321	109	7	69
	Frank, Ignatz. (See Cohen & Frank.)					
169, 249	Frank, Samuel B., Marshall, Mo. Steam-engine .....	Oct. 26, 1875	903	293	8	715
169, 798	Frank, William, Mound Station, Ill. Harrow .....	Nov. 9, 1875	485	152	8	805
158, 838	Franke, Charles, New York, N. Y. Brick-laying machine .....	Jan. 19, 1875	469	158	7	105
160, 012	Same..... Horse-blanket and pantaloons combined .....	Feb. 23, 1875	761	252	7	308
167, 393	Same..... Pantaloons-former .....	Sept. 7, 1875	13	4	8	408
167, 394	Same..... Apparatus for shaping coats .....	Sept. 7, 1875	15	4	8	408
167, 395	Same..... Method or process of heating buildings .....	Sept. 7, 1875	16	4	8	409
167, 396	Same..... Cloth-scouring machine .....	Sept. 7, 1875	16	5	8	409
167, 397	Same..... Stop-cock .....	Sept. 7, 1875	17	5	8	409
	Franke, Julius. (See Meyer, Gustavus, assignor.)					
	Same..... (See Meyer, Julius, assignor.)					
159, 085	Frankel, Alexander, assignor to Jacob Logowitz, Newark, N. J. Trunk-fastener .....	Jan. 26, 1875	725	240	7	146
167, 520	Frankloder, David, assignor to self and Joseph A. Culp, Wakarussa, Ind. Fire-kindler .....	Sept. 7, 1875	125	38	8	424
	Franklin, Ira S. (See Franklin, Oscar B., assignor.)					
162, 812	Franklin, James C., Lena, Oregon. Mail-bag fastening .....	May 4, 1875	71	23	7	756
170, 543	Franklin, Jonathan H., Avoca, Wis. Vehicle-seat .....	Nov. 30, 1875	1212	381	8	927
162, 544	Franklin, Oscar B., Guilford, Vt., assignor to self and Ira S. Franklin, Boston, Mass. Thill-coupling .....	Apr. 27, 1875	968	290	7	714
159, 404	Franklin, William B., assignor to Colt's Patent Fire-Arms Manufacturing Company, Hartford, Conn. Cartridge-feed case for machine-guns .....	Feb. 2, 1875	148	50	7	205
161, 219	Franklin, William B., and Charles B. Richards, assignors to Colt's Patent Fire-Arms Manufacturing Company, Hartford, Conn. Carriage for field-guns .....	Mar. 23, 1875	906	{ 296 } { 297 }	7	498
159, 253	Franz, E. H., Cincinnati, Ohio. Street-sprinkler .....	Feb. 2, 1875	11	4	7	186
8, 764	Franz, Henry, Pittsburgh, Pa. Glassware .....	Nov. 2, 1875			8	729
170, 839	Franz, Henry, assignor to Campbell, Jones & Co., Pittsburgh, Pa. Glass-mold .....	Dec. 7, 1875	164	55	8	972
	Franz, Johan. (See Simmons & Franz.)					
170, 840	Franzini, Michel N., Naples, Italy. Gun-carriage .....	Dec. 7, 1875	165	56	8	972
	Frary, James D. (See Case, Truman, assignor.)					
8, 817	Frary, James D., assignor to Landers, Frary & Clark, New Britain, Conn. Table-cutlery .....	Nov. 30, 1875			8	909
171, 276	Frasch, Herman, assignor to self, Henry Thomas, and Charles B. Sproggell, Philadelphia, Pa. Process for utilizing tin-scrap .....	Dec. 21, 1875	618		8	1048
158, 367	Fraser, Edwin J., San Francisco, Cal. Suspension-buckle .....	Jan. 5, 1875	85	5	7	11
158, 368	Same..... Amalgamator .....	Jan. 5, 1875	16	6	7	11
166, 356	Same..... same .....	Aug. 3, 1875	155	48	8	221
6, 376	Fraser, E. J., San Francisco, Cal., assignor to Sidney A. Stevens, Philadelphia, Pa. Carbureting apparatus .....	Apr. 13, 1875	495	163	7	647
	Fraser, Randolph. (See Marker, Stephen A., assignor.)					
	Fraser, William. (See Nash, Frank W., assignor.)					
167, 521	Frash, Christian G., New York, N. Y. Preparing corks for stoppers .....	Sept. 7, 1875	125		8	424
	Frasier, Daniel E., et al. (See Owen, Daniel E., assignor.)					
	Frawley, D., et al. (See Nott, Aaron B., assignor.)					
	Frawley, William J., et al. (See Nott, Aaron B., assignor.)					
	Fray & Pigg. (See Donning, James, assignor.)					
167, 160	Frazee, Lawrence F., Jersey City, N. J., assignor to self and Joseph J. Walton, New York, N. Y. Life-boat .....	Aug. 31, 1875	981	304	8	370
168, 473	Frazier, Charles E., Baltimore, Md. Night-soil and sewage apparatus .....	Oct. 5, 1875	135	46	8	584
162, 042	Frearson, John, Birmingham, England. Art of manufacturing wood-screw blanks .....	Apr. 27, 1875	987	{ 317 } { 318 }	7	725
170, 667	Frech, William, Cincinnati, Ohio. Counter-shaft .....	Dec. 7, 1875	13	4	8	952
161, 774	Freehette, Isaïe, St. Hyacinthe, Canada. Counter-press .....	Apr. 6, 1875	157	55	7	592
167, 888	Fredenburgh, John, assignor to self and J. F. Smith, Greene, N. Y. Carriage-spring .....	Sept. 21, 1875	482	152	8	490
166, 599	Frederick, William C., assignor to William H. Hooper and William A. Willard, Medford, Mass. Hoisting-tongs .....	Aug. 10, 1875	399	123	8	264
6, 604	Fredericks, Christian A., Brooklyn, N. Y. Speaking-tube .....	Aug. 24, 1875	944	295	8	358
	Frederickson. (See Vanurder, William, assignor.)					
	Fredricks, Jerome B. (See Woodworth & Fredricks.)					
6, 449	Freeman, Albert A., Philadelphia, Pa. Car-axle box .....	May 25, 1875	1060	335	7	917
164, 081	Freeman, Albert A., assignor of one-half interest to William M. Singery, Philadelphia, Pa. Car-brake shoe .....	June 8, 1875	238	82	7	974
167, 398	Freeman, Barton, East Attleborough, assignor of one-half interest to James McAnerney, Attleborough, Mass. Derrick .....	Sept. 7, 1875	18	5	8	409

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170, 841	Freeman, Charles A., New Cumberland, W. Va. Flue-lining	Dec. 7, 1875	166	56, 57	8	973
166, 693	Freeman, Elisha, Etna, N. Y. King-bolt for vehicles	Aug. 17, 1875	502	153	8	286
161, 022	Freeman, George W., Indianapolis, Ind. Wrench	Mar. 23, 1875	723	238	7	474
170, 843	Freeman, Hiram, Parker's Landing, Pa., assignor of one-half interest to John Eaton, Brooklyn, N. Y. Strap-hinge attachment	Dec. 7, 1875	168	57	8	973
167, 756	Freeman, Irvin, Corpus Christi, Tex. Plow	Sept. 14, 1875	349	111	8	463
169, 799	Same..... same	Nov. 9, 1875	486	153	8	855
170, 842	Freeman, Josiah G., Worcester, assignor to George S. Harwood and George H. Quincy, Boston, Mass. Feeding-mechanism for carding-machines	Dec. 7, 1875	167	57	8	973
163, 761	Freeman, Moody G., Bloomington, Ill. Iron fence	May 25, 1875	985	312	7	907
165, 224	Freeman, Stephen, and George E. Smith, Racine, Wis. Revolving saucer for flower-pot brackets	July 6, 1875	77	23	8	19
166, 981	Freeman, Thomas R., and Perine Y. Jones, Ripon, Wis. Combined spark-arrester and stove-register	Aug. 24, 1875	785	242	8	336
	Freeman, Valentine & Green. (See Green, Herman D., assignor.)					
	Freeman, William J. (See Spurgin & Freeman.)					
167, 657	Freer, Hiram D., Akron, Ohio. Hot-air furnace	Sept. 14, 1875	258	80	8	449
167, 161	Freese, John D., Chicago, Ill. Anti-friction device for furniture-drawers	Aug. 31, 1875	981	305	8	370
170, 946	Freiburg, Henry. (See Meyer & Freiburg.)					
170, 948	French, Alonzo, Philadelphia, Pa. Combined jug and saucer	Dec. 14, 1875	276	92	8	995
171, 606	Same..... Lamp	Dec. 28, 1875	939	307	8	1099
	French, Amanda D. (See Eastman, Rufus M., assignor.)					
168, 247	French, Andrew, and John S. Lash, Philadelphia, Pa. Clothes-pounder	Sept. 28, 1875	829	264	8	546
169, 898	French, Anna, Bangor, Me. Floral ornament for tombstones	Nov. 16, 1875	590	183	8	826
167, 162	French, Elizabeth J., Philadelphia, Pa. Electro-therapeutic appliance	Aug. 31, 1875	982	305	8	370
159, 254	French, Evelyn F., New York, N. Y. Hand-rest	Feb. 2, 1875	11	4	7	186
	French, Henry W. (See Mitchell, William, assignor.)					
	French, Hiram A. (See Holtz, Carl, assignor.)					
164, 290	French, Julia B., Boston, Mass. Bedstead	June 8, 1875	427	142	7	999
	French, Orastus S. (See Brayton, June & French.)					
159, 026	French, Raymond, Seymour, Conn. Ox-shoe	Jan. 26, 1875	675	220	7	138
171, 008	Frontress, Henry N., Dunleith, Ill. Wire-fence barb	Dec. 14, 1875	337	112	8	1002
160, 091	Freshfield, Abraham, assignor to self and Henry Fox, New York, N. Y. Curling hat-brims	Feb. 23, 1875	828	272	7	318
160, 762	Freund, Frank W., Denver, Colo. Breech-loading fire-arm	Mar. 16, 1875	489	159	7	433
160, 763	Same..... Metallic cartridge	Mar. 16, 1875	493	160	7	434
160, 819	Same..... Sight for fire-arms	Mar. 16, 1875	542	176	7	440
162, 224	Same..... Breech-loading fire-arm	Apr. 20, 1875	586	192	7	666
162, 373	Same..... Pistol-gripe attachment for the stocks of fire-arms	Apr. 20, 1875	730	238	7	684
162, 374	Same..... Guard-lever and means for operating the breech-block of breech-loading fire-arms	Apr. 20, 1875	732	238	7	684
168, 834	Freund, Frank W., Cheyenne, Wyo. Detachable pistol-gripe for fire-arms	Oct. 19, 1875	502	164	8	652
158, 792	Frey, James H., Cleveland, Ohio, assignor to Allan C. Bakewell & Co., Pittsburgh, Pa. Printer's shooting-stick	Jan. 19, 1875	427	142	7	99
6, 586	Frey, John, Osnaburg, and John M. Eichholtz, Canton, Ohio, assignors to William Detrick. Sawing-machine. (Reissue.)	Aug. 10, 1875	473	145	8	274
165, 486	Frick, Joseph K., Evansville, Ind. Constructing, ventilating, and cooling cellars	July 13, 1875	356	105	8	64
	Frickenhaus, Otto. (See William, Steinhaus, assignor) (Design.)					
163, 062	Friderick, Alexis, O'Fallon, Ill. Harness-knife	May 11, 1875	324	104	7	797
160, 177	Friedlaender, Julius, Berlin, Prussia, and Peter K. Moeller, Leipsic, Saxony. Printing surfaces	Feb. 23, 1875	899	.....	7	328
165, 225	Friend, Edward F., Marianna, Ark. Hub	July 6, 1875	78	23	8	19
167, 757	Friend, George, Philadelphia, Pa. Washing-machine	Sept. 14, 1875	350	111	8	463
163, 063	Friend, John P., Peabody, Mass. Machine for finishing leather	May 11, 1875	325	105	7	797
166, 694	Friest, John P., Chillicothe, Mo. Horse hay-rake	Aug. 17, 1875	502	153	8	287
	Frink, Erastus O. (See Frink, Samuel C., assignor.)					
169, 632	Frink, Samuel C., assignor to self and Erastus O. Frink, Indianapolis, Ind. Till-lock alarm	Nov. 9, 1875	309	99	8	783
162, 163	Frisbee, Gideon, Reading, Pa. Expanding-bit for enlarging blast holes	Apr. 20, 1875	532	175	7	639
164, 082	Same..... Process of blasting	June 8, 1875	239	82	7	974
168, 010	Same..... Rock-drill	Sept. 21, 1875	579	186	8	505
164, 538	Frisbee, John L., New York, N. Y., assignor to self and Thomas J. Nottingham, Cincinnati, Ohio. Stop-cock	June 18, 1875	666	216	7	1039
	Frisbee, R. H. (See Goss, Henry, assignor.)					
164, 083	Frisbie, Russell, assignor to J. and E. Stevens Company, Cromwell, Conn. Toy money-box	June 8, 1875	340	82	7	974
	Frischen, Carl L. (See Siemens & Frischen.)					
168, 089	Fristoe, Lydia A., Denver, Colo. Baking-pan	Sept. 28, 1875	683	216	8	526
	Fritz, Elias, sr. (See Hemmich, Thomas F., assignor.)					
165, 814	Fritz, Henry C., Chester, Pa. Pipe-stem	July 20, 1875	673	206	8	125
160, 514	Fritz, Herman, Cleveland, Ohio. Hot-air register	Mar. 9, 1875	246	84	7	392
165, 721	Same..... Ventilating-register	July 20, 1875	383	179	8	113
	Fritz, Louis. (See Conner & Fritz.)					
160, 583	Froehlich, William, New York, N. Y. Manufacture of shoes	Mar. 9, 1875	305	103	7	401
161, 499	Frohe, Gottfried, Buffalo, N. Y. Painting and hammer	Mar. 30, 1875	1199	384	7	543
159, 663	Frost, David, assignor of one-half interest to Michael P. Schall, Latrobe, Pa. Band-cutting feeder for thrashing-machines	Feb. 9, 1875	398	133	7	247
165, 413	Frost, Edward J., assignor of one-half interest to Jacob Hoepflen, Philadelphia, Pa. Electric thermostat	July 13, 1875	282	84	8	54
170, 947	Frost, Francis N. (See Turnbull & Frost.)					
167, 851	Frost, Frederick D., London, England. Hemp-hackling machine	Dec. 14, 1875	276	93	8	995
	Frost, George, and George H. Phelps, Boston, Mass. Combined under-waist and skirt-supporter	Apr. 6, 1875	230	77	7	602
169, 899	Same..... Under-waist	Nov. 16, 1875	591	183	8	827
169, 983	Same..... Clasp	Nov. 16, 1875	661	207	8	836
169, 892	Frost, Henry S., assignor to A. N. Woolson, Watertown, Conn. Umbrella-runner	Oct. 19, 1875	551	180	8	659
162, 049	Frost, James O., Towanda, Pa. Extension-table slide	Apr. 13, 1875	409	137	7	637
169, 431	Frost, John E., and Josiah Merrill, Berwick, Me. Sash-holder	Nov. 2, 1875	101	32	8	749
165, 161	Frost, Walter, Newark, N. J. Diaphragm for gas-governors	July 6, 1875	13	.....	8	11
170, 075	Frost, Willis L., Sherman, Tex. Cotton-press	Nov. 16, 1875	748	236	8	847
	Fruin, Jeremiab, et al. (See Burridge, Thomas H., assignor.)					

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Drig.	Vol.	Page.
8, 396	Fry & Co., A. (See Weston, John, assignor.)					
	Fry, Henry L., assignor to James L. Haven & Co., Cincinnati, Ohio. Chain-pump curb..... (Case A. Design)	June 15, 1875			7	1014
8, 397	Same..... same..... (Case B. Design)	June 15, 1875			7	1014
164, 160	Fry, Henry R., Marion, Ind. School-desk.....	June 8, 1875	303	104	7	983
168, 011	Fry, John L., assignor of one-half interest to Jerome Keeley, Philadelphia, Pa. Machine for cutting out garments.....	Sept. 21, 1875	580	186	8	505
159, 405	Fry, Michael W., Guyandotte, W. Va. Coffee-roaster.....	Feb. 2, 1875	149	50	7	205
165, 722	Fry, Thomas W., Providence, R. I. Setting gems.....	July 20, 1875	583	179	8	113
6, 613	Fry, William T., Brooklyn, N. Y. Flask and bottle..... (Reissue.)	Aug. 24, 1875	957	298	8	360
	Fryer, Charles L. (See Bellinger, Bolles & Fryer, assignors.)					
	Fryer Noble Metal Mining Company. (See Fryer, Robert M., assignor.)					
170, 625	Fryer, Robert M., assignor to Fryer Noble Metal Mining Company, New York, N. Y. Apparatus for roasting gold and silver ores.....	Nov. 30, 1875	1292	408	8	937
	Fryer, William J., jr. (See Bellinger, Bolles & Fryer.)					
163, 006	Fuchs, Charles H., Sandusky, Ohio, assignor to M. F. and J. S. Cowdery. Clamp.....	May 11, 1875	268	87	7	790
159, 571	Fuchslocher, Charles A., and Frank A. Schmid, Erie, Pa. Fire-escape.....	Feb. 1, 1875	322	105	7	336
	Fugitt, Nathaniel B. (See Rhodes, Benjamin, assignor)..... (Reissue.)					
8, 180	Fuld, Julius, New York, N. Y. Show-card for exhibiting vest-buttons..... (Design)	Mar. 2, 1875			7	345
164, 539	Fuller, Albert, Brooklyn, N. Y. Tank-regulator.....	June 15, 1875	666	216	7	1039
167, 092	Same..... Faucet.....	Aug. 24, 1875	894	278	8	351
159, 255	Fuller, Albert D., assignor to Dutcher Temple Company, Hopedale, Mass. Loom-temple	Feb. 2, 1875	12	4	7	186
168, 387	Fuller, Charles M., and Robert M. Parkerson, Batavia, N. Y. Flour-sack packer.....	Oct. 5, 1875	59	21	8	573
	Fuller, Chauncey W. (See Hatch, William W., assignor.)					
162, 910	Fuller, Clark S., La Fayette, Ind. Apparatus for drying and bleaching ground wheat.....	May 4, 1875	158	52	7	768
170, 845	Fuller, George W., assignor of one-half interest to John B. Fitzpatrick, Boston, Mass.; said Fuller and Fitzpatrick assignors of one-half interest to John M. Perkins, Washington, D. C. Hanging bird-cage.....	Dec. 7, 1875	170	58	8	973
166, 764	Fuller, Grauville B., Middletown, N. Y. Machine for stiffening bats.....	Aug. 17, 1875	566	174	8	296
165, 321	Fuller, Jim B., Brooklyn, N. Y. Argand gas-burner.....	July 6, 1875	164	50	8	31
166, 926	Fuller, Jim B., Brooklyn, N. Y., assignor of one-half interest to John N. Crandall, Norwich, Conn. Argand gas-burner.....	Aug. 24, 1875	730	226	8	328
168, 893	Fuller, Jim B., Brooklyn, N. Y. Magneto-electric machine.....	Oct. 19, 1875	551	181	8	659
160, 315	Fuller, John N., Cleveland, Ohio. Clothes-line supporter.....	Mar. 2, 1875	55	20	7	356
165, 088	Fuller, Levi K., Brattleborough, Vt. Drying apparatus.....	June 29, 1875	1188	382	7	1124
169, 535	Same..... Apparatus for devaporizing air.....	Nov. 2, 1875	189	65	8	761
170, 844	Same..... Devaporizing apparatus.....	Dec. 7, 1875	169	58	8	973
160, 052	Fuller, Levi K., assignor to J. Estey & Co., Brattleborough, Vt. Reed-organ.....	Feb. 23, 1875	794	262	7	313
160, 316	Same..... Reed-organ tremolo.....	Mar. 2, 1875	56	20	7	356
160, 515	Same..... Key-board for organs.....	Mar. 9, 1875	247	85	7	392
162, 467	Same..... Blank for organ-keys.....	Apr. 27, 1875	841	271	7	706
168, 835	Fuller, Nathaniel, assignor of one-half interest to George W. Bowker, Boston, Mass. Machine for making cigar-lighters.....	Oct. 19, 1875	504	164	8	652
159, 544	Fuller, Samuel B., Erving, Mass. Wheel for vehicles.....	Feb. 9, 1875	304	98	7	233
165, 162	Fuller, Sylvester B., Lynn, Mass. Jig-saw.....	July 6, 1875	14	5	8	11
	Fuller, Theron D., et al. (See O'Neil, John, assignor.)					
	Fuller, Thomas R. (See Stauffer, John, assignor.)					
	Fuller, Warren & Co. (See Harwood & Smith, assignors)..... (Design.)					
	Same..... (See Harwood, Luther W., assignor)..... (Design.)					
	Same..... (See Vedder & Heister, assignors)..... (Design.)					
	Same..... (See Warren, Walter P., assignor)..... (Design.)					
	Same..... (See Wells & Cridge, assignors)..... (Design.)					
	Same..... (See Wells, George A., assignor)..... (Design.)					
	Same..... (See Wells, Vedder & Heister, assignors)..... (Design.)					
160, 415	Fulmer, Charles H., Indianapolis, Ind. Pipe-wrench.....	Mar. 2, 1875	141	50	7	369
158, 582	Fulton, Andrew, Albany, N. Y. Gas-burner.....	Jan. 12, 1875	219	74	7	55
164, 158	Fulton, John A., Cambridge, Mass. Metallic packing for piston-rods of steam-engines, &c.....	June 8, 1875	302	103	7	983
159, 256	Fulton, Louis B., and Julius Proeger, Pittsburgh, Pa. Ejector.....	Feb. 2, 1875	12	4	7	186
159, 315	Fulton, Peter M., Rhinebeck, N. Y. Bridge.....	Feb. 2, 1875	73	24	7	193
161, 500	Fulton, William H., Foxcroft, Me. Stump-extractor.....	Mar. 30, 1875	1200	365	7	543
159, 027	Funstoo, Abram C., Philadelphia, Pa. Picture-rod molding.....	Jan. 26, 1875	676	221	7	138
169, 900	Furber, Oscar E., Saco, Me. Attaching handles to pumps.....	Nov. 16, 1875	592	184	8	827
	Furbush, Charles A., et al. (See Barker, James, assignor.)					
	Furbush, Charles A. (See Furbush, Merrill A., assignor.)					
	Furbush, Merrill A., et al. (See Barker, James, assignor.)					
166, 601	Furbush, Merrill A., assignor to self and Charles A. Furbush, Philadelphia, Pa. Condensing mechanism for carding-machines.....	Aug. 10, 1875	400	123	8	264
168, 979	Same..... Spinning mule or jack.....	Oct. 19, 1875	635	210	8	671
	Ferguson, Alexander. (See Seelye, Hurlbert H., assignor.)					
161, 403	Furlong, Edward P., Biddeford, Me. Paper bosom.....	Mar. 30, 1875	1104	357	7	531
163, 862	Furlong, Thomas T., Chicago, Ill. Whiffletree.....	June 1, 1875	24	8	7	934
165, 226	Furman, Joel N., Patchogue, N. Y. Apparatus for raising sunken vessels.....	July 6, 1875	78	23	8	19
164, 440	Furman, Oliver P., Corniug, N. Y. Extension curtain-roller.....	June 15, 1875	584	190	7	1029
164, 459	Furnas, Robert, Deatur Township, Ind. Broadcast seed-sower.....	June 8, 1875	303	104	7	983
	Furness, Nathaniel H. (See Wales, Sigourney, assignor.)					
160, 013	Furness, Nathaniel H., Tarrytown, and Sigourney Wales, New York, N. Y. Safety-pin.....	Feb. 23, 1875	762	252	7	309
	Furniss, Leon. (See Watson, Barron C., assignor.)					
	Furst & Bradley et al. (See Lane, John, jr., assignor)..... (Reissue.)					
160, 416	Furst, Frank A., Baltimore, Md. Grain-sampler.....	Mar. 2, 1875	142	50	7	369
167, 234	Furst, Heumann, Williamsburgh, N. Y. Head-muff.....	Aug. 31, 1875	1042	324	8	379
167, 889	Fnyat, Toussaint, Woonsocket, R. I. Venitian blind.....	Sept. 21, 1875	483	152	8	490
165, 815	Gabbs, William H. L., San Francisco, Cal. Bed-lounge.....	July 20, 1875	673	206	8	125
163, 176	Gabert, Joseph H., Athens, Ohio. Hand-car.....	May 11, 1875	426	138	7	510
169, 984	Gabler, Ernst, New York, N. Y. Upright piano.....	Nov. 16, 1875	661	207	8	836
169, 985	Same..... Piano-forte agraffe.....	Nov. 16, 1875	662	207	8	836
	Gaffney, James P. (See Syden & Gaffney.)					
163, 371	Gafney, Patrick H., Malden, Mass. Ironing-table.....	May 18, 1875	625	200	7	852
169, 162	Gage, David H., Dover, N. H. Mowing-machine.....	Oct. 26, 1875	827	268 269	8	704
	Gage, Harriett M. (See Tomlinson, James, assignor.)					
161, 944	Gahn, Henrik, deceased, by Wilton C. Donn, Washington, D. C., administrator, and assignor to Charles G. Am Ende, Hoboken, N. J. Composition for preserving food.....	Apr. 13, 1875	324		7	626
169, 094	Same..... Antiseptic composition.....	Oct. 26, 1875	767		8	696
162, 050	Gabren, Charles, New York, N. Y. Manufacture of corsets.....	Apr. 13, 1875	410	137	7	637

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Gaiennie, Frank, <i>et al.</i> (See Bell, A. John, assignor)..... (Reissue.)					
	Gaiffe, Ledislas A. (See Clamond & Gaiffe.)					
	Gail, G. W., <i>et al.</i> (See Cussen, William J., assignor)..... (Design.)					
167, 093	Gaillae, Eugene G., Jonesport, Me. Anchor-tripper.....	Aug. 24, 1875	895	279	8	351
159, 173	Gaillard, Louis J. P. E., Paris, France. Dental plugger.....	Jan. 26, 1875	802	262	7	156
168, 012	Same..... Dental forceps.....	Sept. 21, 1875	581	187	8	305
168, 474	Gaither, John C., and James T. Hill, Cumberland, Md. Combined bolt and lath machine.	Oct. 5, 1875	137	46	8	584
	Galbraith, Walter. (See Smith & Galbraith.)					
161, 023	Gale, Charles C., and George F. David, Indianapolis, Ind. Seal-lock.....	Mar. 23, 1875	724	238	7	475
	Gale, George W. (See Schroeder, Frederick W., assignor.)					
6, 824	Gale, Horatio, Albion, Mich., assignor to Gale Manufacturing Company. Plow-jointer. (Reissue).....	Dec. 28, 1875	987	319	8	1106
159, 174	Gale, Horatio, Albion, Mich. Plow.....	Jan. 26, 1875	802	263	7	156
	Gale Manufacturing Company. (See Gale, Horatio, assignor)..... (Reissue.)					
160, 417	Gale, Warren, Chicopee Falls, Mass. Straw-cutter.....	Mar. 2, 1875	143	50	7	369
163, 648	Gall, Joseph, New York, N. Y. Spectacles.....	May 25, 1875	894	283	7	895
167, 327	Same..... Thermometer.....	Aug. 31, 1875	1121	352	8	390
162, 813	Gallau, William, Newark, N. J. Hub for vehicle-wheels.....	May 4, 1875	71	23	7	756
168, 475	Gallaudet, William L., Elizabeth, N. J. Indicator.....	Oct. 5, 1875	137	46	8	585
168, 476	Galloway, George, assignor of one-half interest to Phillip Stellwagen, William Miller, and Michael J. Stark, Buffalo, N. Y. Side bearings for railway-cars.....	Oct. 5, 1875	138	47	8	585
165, 089	Galloway, Joseph D., Philadelphia, Pa. Gas-fitter's lamp.....	June 29, 1875	1189	383	7	1125
162, 911	Galloway, William, Philadelphia, Pa. Manufacture of earthenware and pottery.....	May 4, 1875	159	52	7	768
158, 927	Gally, Merritt, Rochester, N. Y. Automatic telegraphic apparatus.....	Jan. 19, 1875	556	184	7	115
	Same..... Telegraphic apparatus and circuit.....			185		
158, 928	Same..... Telegraph apparatus.....	Jan. 19, 1875	558	185	7	116
159, 664	Same..... Duplex telegraph.....	Feb. 9, 1875	400	133	7	248
163, 923	Same..... Duplex telegraph.....	June 4, 1875	70	24	7	940
171, 370	Galt, Thomas, and James Blaisdell, Rock Island, Ill. Child's carriage.....	Dec. 21, 1875	697	230	8	1058
164, 644	Galt, Thomas A., and George S. Tracy, Sterling, Ill. Cider-mill.....	June 22, 1875	771	253	7	1062
165, 668	Galvin, Thaddens, Detroit, Mich. Ornamental jet for fountains.....	July 20, 1875	537	164	8	106
158, 698	Gambrell, Benjamin F., and James L. Sheridan, Baltimore, Md. Clearer for drawing-rolls.	Jan. 12, 1875	322	109	7	69
163, 310	Gamewell, John N., Hackensack, N. J. Fire-alarm-telegraph circuit.....	May 18, 1875	570	182	7	845
165, 923	Gamewell, John N., Hackensack, N. J., Moses G. Crane, Newton, and Edwin Rogers, Boston, Mass. Telegraphic-fire-alarm repeater.....	July 27, 1875	790	243	8	154
162, 375	Gamwell, Samuel T., Wayland, Mich. Axle for vehicles.....	Apr. 20, 1875	734	238	7	684
170, 251	Gandolfo, John F., Dubuque, Iowa. Middlings-purifier.....	Nov. 23, 1875	933	290	8	860
	Gandolfo, Joseph. (See Jarboe, John W., assignor.)					
165, 992	Gandolfo, Joseph, Brooklyn, N. Y. Apparatus for burning and revivifying bone-black, &c.	July 27, 1875	861	265	8	163
167, 235	Same..... Bone-black revivifier.....	Aug. 31, 1875	1043	324	8	379
165, 993	Gandolfo, Joseph, Brooklyn, assignor to self and John W. Jarboe, Green Point, N. Y. Charcoal and bone-black heater and cooler.....	July 27, 1875	862	265	8	163
	Gannon, Thomas (See Jack, Robert, assignor.)					
165, 816	Gano, Gazzam, Cincinnati, Ohio. Thermometer.....	July 20, 1875	674	206	8	125
167, 758	Gano, Louis H., New York, N. Y. Curtain-fixture.....	Sept. 14, 1875	350	111	8	463
161, 540	Ganon, Solomon B., Columbus, Ohio. Crown-sheet for steam-boilers.....	June 15, 1875	667	216	7	1040
170, 544	Garcia, José, New York, N. Y., assignor, by mesne assignments, of one-half interest to Benoit Wasserman. Baby-walker.....	Nov. 30, 1875	1213	381	8	927
158, 583	Gard, Walter E., Chicago, Ill. Brick truck and stand.....	Jan. 12, 1875	220	75	7	55
158, 584	Same..... Brick-machine.....	Jan. 12, 1875	222	75	7	55
170, 545	Gard, William J., and Neville Staughton, Winona, Minn. Grain-tester.....	Nov. 30, 1875	1214	382	8	927
164, 827	Gardiner, Charles B., Westley, R. I. Sash-fastener.....	June 22, 1875	949	303	7	1084
163, 762	Gardiner, Charles O., Springfield, Ohio. Thill-coupling.....	May 25, 1875	966	313	7	907
161, 404	Gardiner, Emmet V. R., Johnson, N. Y. Horse hay-fork.....	Mar. 30, 1875	1104	357	7	531
6, 377	Gardiner, Samuel, jr., Washington, D. C. Lighting gas by electricity..... (Reissue.)	Apr. 13, 1875	496	164	7	647
165, 900	Same..... Burner for electrical gas lighting.....	June 29, 1875	1189	383	7	1125
	Gardiner, Edward, <i>et al.</i> (See Jewell, Tryon J. M., assignor.)					
	Gardiner, Edwin, <i>et al.</i> (See Jewell, Tryon J. M., assignor.)					
164, 988	Gardner, Alphons G., New Orleans, La. Piano-stringing device.....	June 29, 1875	1102	356	7	1112
166, 519	Gardner, Alvin, Windsor, Canada. Paper-pulp engine.....	Aug. 10, 1875	350	100	8	253
165, 227	Gardner, Andrew J., Lee, Mass. Flower-bracket.....	July 6, 1875	79	23	8	20
	Gardner, Daniel W. (See Wright & Gardner.)					
161, 114	Gardner, Emmet V. R., Johnson, N. Y. Hay-elevator.....	Mar. 2, 1875	813	266	7	486
161, 678	Gardner, Francis M., Hornellsville, N. Y. Lifting attachment for shovels and forks.....	Apr. 6, 1875	77	27	7	580
	Gardner, John H. (See Schartan & Gardner.)					
	Gardner, Joseph M. L. (See Hall, Joseph, assignor)..... (Design.)					
8, 322	Gardner, Joseph W., Shelburne, Mass. Shank of table-forks..... (Design.)	May 11, 1875			7	783
164, 411	Gardner, J. Wright, Troy, N. Y. Ironing apparatus.....	June 15, 1875	584	190	7	1029
168, 388	Gardner, Maria, New York, N. Y. Hair-crimping pin.....	Oct. 5, 1875	61	22	8	573
168, 734	Gardner, Miles W., Green Island, N. Y. Stove-door knob.....	Oct. 11, 1875	403	131	8	629
	Gardner, Oliver L. (See Gardner, William, assignor.)					
169, 250	Gardner, Resolved, <i>et al.</i> (See Weber, Theodore A., assignor.)					
	Gardner, Richard H., Troy, N. Y. Ironing apparatus.....	Oct. 26, 1875	904	293	8	715
	Gardner, Sankey. (See Gettling, Jenkins & Gardner.)					
164, 541	Gardner, Smith, assignor to Ephraim Howe, New York, N. Y. Driver for sheet-piling.....	June 15, 1875	668	216	7	1040
	Gardner, Sylvester N. (See Parker, Hiram J., assignor.)					
163, 177	Gardner, Thomas G., Lincoln, Ill. Boiler-feeder and regulator.....	May 11, 1875	426	139	7	810
158, 930	Gardner, Thomas W., Pittsburgh, Pa. Stair-rod securer.....	Jan. 19, 1875	560	185	7	116
160, 764	Gardner, William, assignor of one-half interest to Oliver L. Gardner, New York, N. Y. Tilting chair.....	Mar. 16, 1875	494	160	7	434
158, 929	Gardner, William R., New York, N. Y. Reflector.....	Jan. 19, 1875	559	185	7	116
159, 810	Gardner, William R., and Charles C. Blossom, New York, N. Y. Pin.....	Feb. 15, 1875	585	184	7	273
159, 811	Gardner, Wilson, assignor to self and L. Salladay, Wheelersburgh, Ohio. Drag.....	Feb. 16, 1875	556	185	7	273
169, 422	Gardner, Wilson, and George L. Hays, Picketon, Ohio. Corn-planter.....	Nov. 2, 1875	162	32	8	749
161, 024	Garfield, Joel, Ayer, Mass. Mowing-machine.....	Mar. 23, 1875	725	238	7	475
159, 812	Garland, Howard P., San Francisco, Cal. Sewing-machine for stitching sacks, &c.....	Feb. 16, 1875	556	185	7	274
169, 113	Same..... Sewing-machine for sewing bags, &c.....	Oct. 26, 1875	829	265	8	705
159, 317	Garland, Howard P., and Andrew J. Gove, San Francisco, Cal. Sewing-machine for sewing bags, &c.....	Feb. 2, 1875	75	25	7	194
167, 833	Garland, James, Central Falls, R. I. Feeding-mechanism for file-cutting machines.....	Sept. 21, 1875	432	137	8	483
171, 277	Same..... File-blank holder for grinding.....	Dec. 21, 1875	618	502	8	1048
170, 166	Garland, James, Pawtucket, R. I. Machine for testing files and steel.....	Nov. 23, 1875	856	268	8	869
170, 725	Same..... Machine for stripping files.....	Dec. 7, 1875	65	20	8	959
163, 007	Garland, William, assignor to Charles A. Shaw, Boston, Mass. Gas-burner.....	May 11, 1875	270	87	7	790

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 087	Garner, John G., Pittsburgh, Tex. Seed-planter.....	Jan. 26, 1875	726	240	7	146
165, 222	Garoutie, William B., Springfield, Mo. Corn-planter.....	July 6, 1875	165	50	7	31
169, 095	Garr, Thomas B., Louisville, Ky. Tobacco-hanger.....	Oct. 26, 1875	768	249	8	676
163, 251	Garrard, Jephtha, Cincinnati, Ohio. Grain-binder.....	Oct. 26, 1875	903	293	8	715
169, 252	Same..... same.....	Oct. 26, 1875	903	294	8	715
162, 745	Garrard, John H., Allegheny, Pa. Fire-place.....	May 4, 1875	9	4	7	154
165, 924	Garretson, Jacob C., Marshall Village, N. Y. Wheel for vehicles.....	July 27, 1875	795	244	7	743
169, 097	Garretson, Thomas B., Oskaloosa, Iowa. Sewing-machine castor.....	Oct. 26, 1875	769	250	8	686
169, 956	Garrett, Albert C., Boston, Mass. Wire fabric.....	Nov. 16, 1875	662	208	8	836
161, 405	Garrett, Charles C., assignor to self and Louis M. Openheimer, Calvert, Tex. Car-coupling.....	Mar. 30, 1875	1105	358	7	531
165, 091	Garrett, Charles C., assignor of one-half interest to Louis M. Openheimer, Calvert, Tex. Dropping-bottle.....	June 29, 1875	1191	383	7	1125
167, 890	Garrett, Henry H., Albany, N. Y. Molder's flask.....	Sept. 21, 1875	483	153	8	490
	Garrett, John. (See Upham, Garrett & Tully.)					
	Garrett, J. Wilson. (See Bee & Garrett.)					
	Garrett, William H. (See Gillespie, James, assignor.)					
	Garrett, William H. (See Barnett & Garrett.)					
6, 512	Same..... (See McClure, Jacob W., assignor.)					
169, 096	Garrick, Thomas, assignor to Henry A. Church, Providence, R. I. Eyelet. (Reissue).....	June 29, 1875	1243	400	7	1132
	Garrick, Thomas, assignor of two-thirds interest to William H. Reynolds, Providence, R. I., and Martin T. McMahon, New York, N. Y. Folding stairs for fire-escapes.....	Oct. 26, 1875	768	249	8	696
170, 167	Garrison, Abram E., Newton, Kans. Druggist's filter and funnel.....	Nov. 23, 1875	857	268	8	869
6, 892	Garstang, Richard, Saint Louis, Mo. Heater and feeder. (Reissue).....	Dec. 14, 1875	542	178	8	1029
163, 487	Garth, George S., and William H. Rosser, assignors to George S. Garth, Mill Hall, Pa. Wagon-brake.....	July 13, 1875	358	105	8	64
162, 051	Garton, James P., Jersey City, N. J. Car-axle box.....	Apr. 13, 1875	411	138	7	637
166, 090	Garton, William, Southampton, England. Manufacture of gluecase.....	July 27, 1875	953	311	8	176
167, 094	Garton, William J., assignor of one-half interest to William Ward, Toronto, Canada. Wax-thread-heating machine.....	Aug. 24, 1875	896	279	8	351
161, 335	Gartsid, Joseph H., Port Perry, assignor to John B. Geyser, Pittsburgh, Pa. Draw-head.....	Mar. 30, 1875	1036	337	7	522
	Garver, Cyrus. (See Garver, Daniel and Cyrus.)					
161, 501	Garver, Daniel and Cyrus, Hagerstown, Md. Bag-holder.....	Mar. 30, 1875	1200	385	7	543
165, 556	Garvey, Owen F., Pawtucket, R. I. Boot and shoe stretcher.....	July 13, 1875	417	126	8	74
159, 813	Garvey, Walter J., Saint Louis, Mo. Holder for ornaments, &c.....	Feb. 16, 1875	558	185	7	274
169, 800	Gaskell, Holbrook, jr., Widnes, England. Process of manufacturing caustic soda.....	Nov. 9, 1875	4-6	8	8	806
164, 161	Gates, Charles C., Albany, assignor to J. L. Mott Iron Works, New York, N. Y. Grate.....	June 8, 1875	305	104	7	95
166, 982	Gates, Chesley, Leont Grove, Mo. Windmill.....	Aug. 24, 1875	785	242	8	336
167, 236	Gates, Frederick, Frankfort, N. Y. Oil-stove.....	Aug. 31, 1875	1044	324	8	379
167, 237	Same..... same.....	Aug. 31, 1875	1045	324	8	379
159, 245	Gates, Frederick, assignor to William Gates, Frankfort, N. Y. Paper-box machine. (Reissue).....	Jan. 19, 1875	657	214	7	128
	Gates, G. M., et al. (See Hawkins, William G., assignor.)					
170, 668	Gates, Julian H., Hartford, Conn. Key-book.....	Dec. 7, 1875	14	4	8	953
	Gates, Roswell W. (See Swarthout, William A., assignor.)					
161, 605	Gates, Samuel I., assignor of one-half interest to George H. Stetson, Boston, Mass. Car-replacer.....	Apr. 6, 1875	14	6	7	571
	Gates, William. (See Gates, Frederick, assignor)..... (Reissue.)					
169, 801	Gates, William, assignor to C. Cowles & Co., New Haven, Conn. Curtain-fixture.....	Nov. 9, 1875	457	153	8	806
164, 913	Gates, William H., Philadelphia, Pa. Artificial teeth.....	June 29, 1875	1039	335	7	1104
161, 875	Gathmann, Louis, Chicago, Ill. Middlings-purifier.....	Apr. 13, 1875	264	88, 89	7	618
163, 924	Gaume, Charles J. B., Williamsburgh, N. Y. Electric motor.....	June 1, 1875	72	24	7	940
159, 665	Gauthey, Marc M. E., Paris, France. Metallic cartridge..... (Design.)	Feb. 9, 1875	402	133	7	248
	Gay, John. (See Kerr, William, assignor)..... (Design.)					
	Gay, Joshua G. (See Porter, Benjamin S., assignor.)					
	Gay, Noah D. (See Harrington, David, assignor.)					
	Gay, Oscar M. (See Baker, Owen T., assignor.)					
166, 200	Gaylord, Charles H., and Edward M. Ayris, Osceola, Ark. Stalk-cutter.....	Aug. 3, 1875	17	6	8	201
167, 328	Gaylord, Elam H., Waterbury, Conn. Diaper-pin.....	Aug. 31, 1875	1122	352	8	390
169, 253	Gazzam, Ebenezer F., Pittsburgh, Pa. Cradle.....	Oct. 26, 1875	907	295	8	715
158, 585	Gear, Alonzo S., Boston, Mass. Car-starter.....	Jan. 12, 1875	224	75	7	55
165, 669	Same..... Molding-machine.....	July 20, 1875	538	164	8	107
171, 474	Same..... Skirt-adjuster.....	Dec. 28, 1875	808	266	8	108-2
158, 931	Gearing, Charles M., Pittsburgh, Pa. Hydrocarbon-furnace.....	Jan. 19, 1875	560	186	7	116
161, 775	Same..... Means for discharging bilge-water from vessels.....	Apr. 6, 1875	158	55	7	592
166, 602	Same..... Carbureting apparatus.....	Aug. 10, 1875	401	123	8	264
166, 603	Same..... Gas apparatus.....	Aug. 10, 1875	402	124	8	264
169, 802	Same..... Air-blowing apparatus for carbureters.....	Nov. 9, 1875	488	153	8	806
160, 014	Gedney, William H., New York, N. Y. Construction of floors for the passage of pipes.....	Feb. 23, 1875	762	252	7	309
158, 483	Geel, William, New York, N. Y. Soda-water and sirup cock.....	Jan. 5, 1875	117	40	7	25
159, 915	Same..... Soda-water draft apparatus.....	Feb. 16, 1875	650	215	7	287
6, 301	Geo, William V., Philadelphia, Pa. Loom..... (Reissue).....	Feb. 23, 1875	964	317	7	333
163, 863	Geer, Elliott N., Cory, Pa. Spring-buffer for trunks.....	June 1, 1875	94	8	7	934
165, 557	Geer, Everard, Beloit, Wis. Fence-post.....	July 13, 1875	418	126	8	74
	Geibhart, N. H., et al. (See Tyler, Hiram, assignor.)					
160, 892	Gehr, John, Clear Spring, assignor to self and Joseph R. Haines, Green Spring Furnace, Md. Sawing-machine.....	Mar. 16, 1875	600	195	7	418
	Gehrik, Friederick. (See Hinz & Gehrik.)					
163, 472	Geiser, Daniel, Waynesborough, Pa. Horse-power.....	May 18, 1875	710	227	7	864
170, 076	Geldreich, Joseph, assignor to George Doerr, Cincinnati, Ohio. Die for making watch-case centers.....	Nov. 16, 1875	749	237	8	847
169, 433	Gelinas, Zoel, assignor to Moses and Frank H. Goldthwait, Springfield, Mass. Button-feeding device.....	Nov. 2, 1875	103	32	8	749
165, 228	Gent, Joseph F., Columbus, Ind. Drier.....	July 6, 1875	80	24	8	20
162, 545	Genzel, George, Spring Mills, Pa. Straw-carrier for thrashing-machines.....	Apr. 27, 1875	900	291	7	714
163, 763	Geoghegan, Stephen J., New York, N. Y. Steam-radiator.....	May 25, 1875	987	313	7	907
160, 418	George, David N., and John J. Stutzman, Pultaski, Iowa. Churn.....	Mar. 2, 1875	144	50	7	369
159, 175	George, Levi F., San Francisco, Cal. Animal-trap.....	Jan. 26, 1875	803	263	7	156
164, 542	Georgia, Elijah B., assignor to self and Margaret Hetzel, Clifton, Va. Ventilating barrels.....	June 13, 1875	619	217	7	1040
	Gerding, Henry, et al. (See Haddeock, Worcester, assignor.)					
	Gere, R. Nelson. (See Hall, Gordon W., assignor.)					
166, 201	Gerfen, Frederick, Locust Grove, Pa. Grain-fork.....	Aug. 3, 1875	17	6	8	201
158, 699	Gerhardt, John, assignor to self and James Hutchinson, Montreal, Canada. Resawing-machine.....	Jan. 12, 1875	323	110	7	69

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	Gerlach, Peter, <i>et al.</i> (See Blakeslee, John R., assignor.)					
	Gerlach, Rudolph P., <i>et al.</i> (See Blakeslee, John R., assignor.)					
163, 985	Gernshym, Gabriel M., Brooklyn, N. Y. Knitted trimming	June 1, 1875	121	41	7	917
163, 723	Gerow, Joseph U., Brooklyn, N. Y. Pen and pencil case	July 20, 1875	5-4	179	8	113
163, 558	Gerrish, George M., Brooklyn, N. Y. Hydraulic hoisting-engine.	July 13, 1875	419	126	8	74
	Gerry, Edson. (See Wilson & Gerry.)					
6, 489	Gerry, Edson, Garden City, Minn. Bee-hive	June 22, 1875	1014	327	7	1693
159, 754	Same..... Anti-friction roller	Feb. 16, 1875	502	168	7	267
161, 666	Same..... Bee-hive	Apr. 6, 1875	15	6	7	571
	Gervais & Co., A. (See Gervais, Antoine A., assignor.)					
166, 520	Gervais, Antoine A., assignor to A. Gervais & Co., Paris, France. Traveling-can	Aug. 10, 1875	331	100	8	253
6, 769	Gervin, Charles D., Williamsburgh, N. Y. Argand gas-burner (Reissue)	Nov. 30, 1875	1319	416	8	941
160, 178	Gething, William, David Jenkins, and Sancke Gardner, Neath, South Wales. Apparatus for pickling metal plates	Feb. 23, 1875	699	296	7	328
	Getta an, John H. (See Green, Henry C., assignor.)					
166, 359	Getz, Joseph C., Philadelphia, Pa., assignor of one-half interest to Asa O. Denio, Wilmington, Del. Skelp-forming roll	Aug. 3, 1875	157	48	8	222
167, 522	Getz, Joseph C., Philadelphia, Pa., assignor of one-half interest to A. O. Denio; said Getz and Denio assignors of part interest to George G. Lobdell, Wilmington, Del. Bolt and rivet machine	Sept. 7, 1875	126	38	8	424
	Geysler, John B. (See Gartside, Joseph H., assignor.)					
	Gibbard, Christopher G. (See Dickerson, Theodore J., assignor.)					
171, 557	Gibbs, James E. A., Steele's Tavern, Va. Sewing-machine	Dec. 28, 1875	888	291	8	1093
171, 558	Same..... same	Dec. 28, 1875	889	291	8	1093
171, 559	Same..... same	Dec. 28, 1875	891	291	8	1093
161, 220	Gibbs, Manson F., Livonia, N. Y. Harvester-rake	Mar. 23, 1875	908	297	7	499
166, 927	Gibbs, Peter B., and James C. Brown, Liberty, Va. Self-setting animal trap	Aug. 24, 1875	730	226	8	328
169, 994	Giblin, John, Boston, Mass. Base-ball	J. ly 27, 1875	862	265	8	163
169, 987	Gibson, Charles D. P., New York, N. Y. Stem-winding watch	Nov. 16, 1875	663	208	8	836
	Gibson, Charles O. (See McEwan & Gibson.)					
	Gibson, E. M., <i>et al.</i> (See Rhodes & Redmond, assignors.)					
	Gibson, Henry B. (See Moore, John C., assignor.)					
163, 178	Gibson, Jacob H., assignor to William J. Phelps, Springfield, and Willard P. Abernethy, Northampton, Mass. Carriage top	May 11, 1875	428	139	7	910
	Gibson, James A. (See Lawton & Gibson.)					
165, 724	Gibson, James A., Cincinnati, Ohio. Boiler for ranges	July 20, 1875	585	179	8	114
162, 282	Gibson, Robert F., assignor of one-half interest to Franklin N. Clark, Cleveland, Ohio. Key-fastener	Apr. 20, 1875	639	209	7	673
165, 539	Gibson, Samuel, Shrewsbury, assignor of one-half interest to Hiram Young, York, Pa. Rotary engine	July 13, 1875	450	127	8	76
162, 468	Giddings, Erasmus W., Johnstown, Pa. Refrigerator	Apr. 27, 1875	842	271	7	708
163, 177	Giessler, John L., Clinton, Iowa. Gate-latch	May 11, 1875	429	139	7	810
168, 980	Giffard, Paul, Paris, France, assignor to Charles J. A. Dick, Philadelphia, Pa. Air-spring for cars	Oct. 19, 1875	635	510	8	671
168, 150	Gifford, Albert W., Worcester, Mass. Machine for making metal screws	Sept. 28, 1875	746	235	8	535
160, 293	Gilbert, Alfred C., Philadelphia, Pa. Ironing-table	Mar. 16, 1875	61	192	7	449
167, 658	Gilbert, Alpha W., Lodi, Ohio. Carriage-top	Sept. 14, 1875	259	80	8	459
169, 179	Gilbert, Daniel, Waynesborough, Pa. Pipe-wrench	Feb. 23, 1875	901	296	7	328
161, 502	Gilbert, Frederick A., New Haven, Conn. Convertible table	Mar. 30, 1875	1201	384	7	543
168, 735	Gilbert, George W., East Prospect, Pa. Washing-machine	Oct. 11, 1875	404	131	8	629
162, 052	Gilbert, Jacob P., New York, N. Y. Combined quarter-boat and toe-weight for horses	Apr. 13, 1875	412	138	7	637
158, 635	Gilbert, John W., assignor to Samuel S. White, Philadelphia, Pa. Hand-piece for dental instruments	Jan. 19, 1875	265	90	7	61
158, 932	Same..... Hand-piece for dental engines	Jan. 19, 1875	561	176	7	116
171, 609	Same..... Hand-piece for dental drills	Dec. 14, 1875	337	112	8	1002
161, 503	Gilbert, Joseph, Philadelphia, Pa. Shirt-envelope	Mar. 30, 1875	1202	386	7	543
164, 543	Gilbert, Samuel. (See Martin, William F., assignor.) Gilbert, William, Catskill, N. Y. Printer's side-stick and quoin. Gilbert, William F. (See Church & Gilbert.)	June 15, 1875	663	217	7	1040
	Same..... (Design.)					
164, 442	Gilbert, Zalmon. (See Murray, Gilbert & Ostrom.)					
170, 726	Gilchrist, Robert, Louisville, Ky. Extension-ladder	June 15, 1875	585	190	7	1029
165, 414	Gilchrist, Hugh H., Swan Creek, assignor of one-half interest to John J. Worden, Youngstown, Ill. Corn-uncoverer	Dec. 7, 1875	66	21	8	959
162, 161	Giles, Henry G., Troy, N. Y. Heating-stove	July 13, 1875	283	84	8	54
166, 604	Gillilan, William, Syracuse, N. Y. Combination-lock	Apr. 20, 1875	533	175	7	660
163, 180	Gill, George and Frederick V. Beisel, Allegheny, assignors of one-third interest to William J. Knell and Lizzie H. Kennedy, Pittsburgh, Pa. Railway-switch	Aug. 10, 1875	403	124	8	264
153, 150	Gill, Henry J., Dublin, Ireland. Machine for calendaring printed sheets	May 11, 1875	429	140	7	811
	Gill, Jabez H., Philadelphia, Pa., assignor of one-half interest to Frank H. Phipps. Cartridge for fire-arms	May 11, 1875	430	140	7	811
8, 668	Gill, James C., Pittsburgh, Pa. Glassware (Design)	Sept. 28, 1875			8	520
165, 603	Gill, James C., assignor to John Adams & Co., Pittsburgh, Pa. Manufacture of glass-ware	Sept. 14, 1875	217	67	8	413
164, 544	Gill, John, Orange, N. J. Machine for forming hat-bodies	June 15, 1875	670	217	7	1040
	Gill, John M. (See Brooks, Mott B., assignor.)					
171, 117	Gill, Joseph P., Newark, N. J., assignor to Robert W. Rutherford and Joseph P. Gill, trustees. Manufacture of gas	Dec. 14, 1875	433	144	8	1016
100, 820	Gill, Owen A., New York, N. Y. Game-board	Mar. 16, 1875	544	176	7	441
167, 163	Gillen, William S., assignor to self and James D. Boal, Pittsburgh, Pa. Apparatus for preparing oil-well gas for heating furnaces	Aug. 31, 1875	983	305	8	370
162, 283	Gillespie, Cyrus E., Edwardsville, Ill. Automatic gate	Apr. 20, 1875	640	209	7	673
170, 361	Gillespie, Henry M., and Virgil True, Laeledo, Mo. Shifting carriage-top	Nov. 23, 1875	1025	321	8	893
159, 814	Gillespie, James, assignor to self and William Garrett, Cleveland, Ohio. Binder for roll-couplings	Feb. 16, 1875	558	185	7	274
163, 608	Gillespie, James E., and Galen Coffin, Boston, Mass. Sash-fastener	May 11, 1875	270	88	7	780
163, 925	Gillespie, James E., assignor to Theodore A. Dodge, trustee, Boston, Mass. Loom for weaving tubular fabrics	June 1, 1875	73	24	7	947
169, 098	Same..... Hand-loom	Oct. 26, 1875	770	250	8	696
	Gillespie, Richard S. (See Worthen & Gillespie.)					
163, 477	Gillespie, Richard S., assignor to Hamilton B. Tompkins and Samuel Samuels, New York, N. Y. Night-soil apparatus	Oct. 5, 1875	139	47	8	585
	Gillespie, Thomas A. (See Biggerstaff, John, assignor.)					



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Gillett, Edward A., et al. (See Bailey, Samuel R., assignor.)					
	Gillett, Oscar S., et al. (See Bailey, Samuel R., assignor.)					
	Gillies, James M., et al. (See Preater, James H., assignor.)					
	Gillies, Wright, et al. (See Preater, James H., assignor.)					
161, 776	Gilliford, John, and John M. Hoffman, Spruce Hill, Pa. Automatic fan	Apr. 6, 1875	159	55	7	592
	Gilliland, Ezra T. (See Kenneck & Gilliland.)					
	Gilliland, James F. (See Kenneck & Gilliland.)					
171, 010	Gilliland, Samuel B., Salisbury, Mo. Self-rake for reapers	Dec. 14, 1875	338	112	8	1003
	Gillingham, Albert L. (See Gillingham, Charles H. and Albert L.)					
166, 983	Gillingham, Charles H. and Albert L., Griggsville, Ill. Detachable link for chains	Aug. 24, 1875	786	243	8	335
160, 821	Gilman, Alonzo, Lewiston, Idaho. Railway-car truck	Mar. 16, 1875	544	176	7	441
	Gilman, Edward L. (See Foote & Gilman.)					
159, 257	Gilman, Samuel H., New Orleans, La. Locking knob-latch	Feb. 2, 1875	13	5	7	186
159, 258	Same..... Bale tie	Feb. 2, 1875	16	5	7	187
171, 560	Gilman, Samuel H., New Orleans, La., assignor to Louisiana Cotton Tie Company. Cotton-bale-band tightener	Dec. 28, 1875	892	291 } 292 }	8	1093
	Gilmore, Alexander, et al. (See Irvin, Thomas W., assignor.)					
171, 475	Gilmore, George W., Webster, Pa. Piston or plunger for force-pumps	Dec. 28, 1875	809	267	8	1082
160, 180	Gilmore, Henry H., Cambridgeport, Mass. Fire-chamber for puddling and other furnaces	Feb. 23, 1875	901	297	7	328
163, 864	Same..... Roll for rolling and creasing horseshoe-bars	June 1, 1875	25	8	7	34
164, 914	Same..... Horseshoe-blink bar	June 29, 1875	1040	335	7	1105
167, 891	Gilmore, Hugh, and Joseph T. Spencer, Saint Louis, Mo. Rein-holder	Sept. 21, 1875	484	153	8	490
163, 389	Gilmore, Orpheus C., Janesville, Wis. Hand-car-plant	Oct. 5, 1875	61	22	8	573
166, 360	Gilmore, Othniel, Boston, Mass. Sand-paper roll	Aug. 3, 1875	157	49	8	222
163, 182	Gilson, William H., Shiloh, Ohio. Process of manufacturing cider	May 11, 1875	431		7	811
6, 267	Gilson, Leonard, Boston, Mass. Hand-truck (Reissue.)	Feb. 2, 1875	239	78	7	217
161, 945	Gilzinger, Sebastian, Glasco, assignor to self and Abel A. Crosby, Kingston, N. Y. Wagon-seat	Aug. 13, 1875	325	109	7	626
161, 946	Same..... Car-bake	Aug. 13, 1875	325	109	7	626
169, 255	Gilzinger, Sebastian, assignor to self and Abel A. Crosby, Rondout, N. Y. Vehicle-spring	Oct. 26, 1875	908	295	8	716
169, 256	Same..... same	Oct. 26, 1875	909	295	8	716
8, 597	Same..... Carriage-seat	Oct. 26, 1875	909	295	8	716
159, 916	Girard, John, assignor to Landers, Frary & Clarke, New Britain, Conn. Coffee-mill. (Design)	S-sept. 7, 1875			8	403
158, 586	Girard, Leonhard, New York, N. Y. Reversible hat	Feb. 16, 1875	651	216	7	287
167, 759	Gird, Edward D., Syracuse, N. Y. Safety device for preventing vessels from running on shore	Jan. 12, 1875	925	76	7	55
	Gishburne, John R., Washington, D. C. Rolling-pan	Sept. 14, 1875	351	111	8	463
	Gish, James C., et al. (See McGhee, William T., assignor.)					
161, 025	Gissing, Samuel. (See Johnston & Gissing.)					
164, 990	Githens, George M., New York, N. Y. Valve for engines	Mar. 23, 1875	726	239	7	475
164, 991	Githens, Joseph C. (See Nutting & Githens.)					
166, 273	Githens, Joseph C., New York, N. Y. Steam rock-drill	June 29, 1875	1104	356	7	1113
167, 659	Same..... Chuck for rock-drills	June 29, 1875	1106	357	7	1113
170, 362	Same..... Luffer for steam rock-drills	Aug. 3, 1875	80	25	8	210
	Same..... Tripod for rock-drills	Sept. 14, 1875	259	81	8	450
	Gittere, Florence, Buffalo, N. Y. Washing-machine	Nov. 23, 1875	1026	321	8	893
	Givens, William J. (See Shiram & Givens.)					
166, 867	Glachet, Adonis, Alexandria, Va. Gas-apparatus	Aug. 17, 1875	660	205	8	310
168, 390	Same..... Gas-machine	Oct. 5, 1875	62	22, 23	8	573
167, 164	Gladding, George S., Chester, assignor to Calvin B. Rogers, Deep River, Conn. Carpet-sweeper	Aug. 31, 1875	984	306	8	370
	Gladding, Thomas S. (See Haight & Gladding.)					
167, 329	Glanz, Henry, assignor of one-half interest to Peter C. Glanz, Buffalo, N. Y. Machine for making rope-molding	Aug. 31, 1875	1122	352 } 353 }	8	390
	Glanz, Peter C. (See Glanz, Henry, assignor.)					
158, 933	Glaseock, Frank R., Hillsborough, Ohio. Sash holder	Jan. 19, 1875	562	186	7	116
	Glase, Charles F., et al. (See Philippi, Francis A., assignor.)					
164, 727	Glasgow, William. (See Nutsford & Glasgow.)					
161, 607	Glasoe, Ole J., Lanesborough, Minn. Plow	June 22, 1875	848	275	7	1073
162, 469	Glass, Archibald O. (See Palmer, Milton J., assignor.)					
159, 917	Glass, Jacob, Buffalo, N. Y. Shaping-block for fur sacks	Apr. 6, 1875	16	7	7	571
	Glassbrook, Myron, Batchellerville, N. Y. Sleigh-knee	Apr. 27, 1875	843	271	7	766
160, 765	Glassbrook, Myron, assignor of one-half interest to Joseph P. Parkhurst, Batchellerville, N. Y. Spoke-socket for vehicle-wheels	Feb. 16, 1875	652	216	7	287
	Glazier, Charles, Indianapolis, Ind. Machine for crushing coke	Mar. 10, 1875	495	161	7	434
	Gleason, Elliott P. (See Dutton, Henry G., assignor.)					
6, 491	Gleason, Elliott P. (See Walker, Edwin R., assignor.)					
159, 918	Gleason, Elliott P., New York, N. Y. Argand gas-burner (Reissue.)	June 22, 1875	1006	325	7	1092
	Gleason, Erasmus, and Robert Hamilton, Greenvich, N. Y. Machine for shaping horse-shoe-calks	Feb. 16, 1875	653	216	7	287
164, 291	Same..... Machine for calking horseshoes	June 8, 1875	428	142	7	999
165, 323	Gleason, Franklin, Philadelphia, Pa. Band-saw wheel	July 6, 1875	165	50	8	31
158, 700	Gleason, John, Brooklyn, N. Y. Lamp-burner	Jan. 12, 1875	324	110	7	69
8, 066	Gleason, William B., Boston, Mass. Alto-relievo (Design.)	Feb. 16, 1875			7	261
	Glenn, Edward. (See McCarty & Glenn.)					
163, 764	Glenn, Samuel W., Georgetown, D. C. Glove-fastening	May 25, 1875	988	313	7	967
167, 446	Gleyre, Henry G., Glasgow, Mo. Refrigerator	Sept. 7, 1875	60	18	8	414
	Glidden, Charles W. (See McKay, Fairfield & Glidden.)					
166, 765	Glidden, Charles W., Lynn, and Stephen A. Simmons, Lawrence, assignors to James W. Brooks, trustee, Boston, Mass. Boot and shoe heel trimmer	Aug. 17, 1875	567	174	8	296
158, 369	Glidden, Oscar F., Boston, Mass. Clothes-wringer	Jan. 5, 1875	17	6	7	11
168, 894	Glines, Josiah, and Noel W. Stiles, Postville, Iowa. Sewing-machine	Oct. 19, 1875	553	181	8	659
	Globe Nail Company. (See Cady, Ransom E., assignor.)					
164, 162	Glover, Almon B., and Dwight M. Church, Derby, Conn. Paper-bag machine	June 8, 1875	305	104 } 105 }	7	983
164, 163	Glover, Charles C., New York, N. Y. Carbonic-acid-gas generator	June 8, 1875	208	165	7	984
169, 536	Glover, Edward W., Malden, Mass. Fire-proof covering for books	Nov. 2, 1875	190	65	8	761
167, 660	Glover, Joshua W., assignor to self and William R. Kitchen, Mount Savage, Ky. Horse-detaching apparatus	Sept. 14, 1875	260	81	8	450
167, 892	Gluck, Moritz, New York, N. Y. Vehicle-spring	Sept. 21, 1875	485	153	8	490
6, 479	Glue, William, Muskegon, Mich. Refuse-burner (Reissue.)	June 8, 1875	496	164	7	008
163, 473	Same..... Saw-fill herd-block	May 18, 1875	711	228	7	864
162, 284	Glued, Carl, New York, N. Y. Cigar-box	Apr. 20, 1875	641	209	7	673

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume		Official Gazette.	
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165, 725	Glynn, Lawrence, Cambridgeport, Mass. Pipe-wrench	July 30, 1875	586	180	8	114
170, 728	Gmeiner, Conrad, and Christoph Schottler, Dale, Wis. Corn-planter	Dec. 7, 1875	68	21	8	959
162, 053	Gmeiner, Mathias, Saint Louis, Mo., assignor to self and Henry Pins. Rain-water cut-off	Apr. 13, 1875	413	138	7	637
164, 545	Gnosill, Henry, Detroit, Mich. Faucet	June 15, 1875	671	217	7	1640
171, 371	Gobiet, Emil S., Mahrisch Osterreich, Austria. Coke-oven	Dec. 21, 1875	698	250	8	1059
	Goble, Melvin D. (See Van Wageningen & Goble.)					
170, 546	Goddard, Ezra G., East Saginaw, Mich. Car-starter	Nov. 30, 1875	1215	352	8	927
165, 442	Goddard, Henry P., Orange, Mass. Meat-cutter	July 13, 1875	313	92	8	58
6, 803	Goddu, Louis, assignor, by mesne assignments, to American Cable Screw Wire Company, Boston, Mass. Pegging-machine (Reissue)	Dec. 14, 1875	543	178	8	1029
162, 643	Goddu, Louis, Winchester, assignor to American Cable Screw Wire Company, Boston, Mass. Sole-fastening	Apr. 27, 1875	988	318	7	725
	Same.....Machine for nailing shoe-soles from nail-strips	May 18, 1875	713	228	7	864
163, 475	Same.....Jack attachment for nailing-machines for boots and shoes	May 18, 1875	718	229	7	865
163, 476	Same.....Shoe nailing and tacking machine	May 18, 1875	719	229	7	865
163, 477	Same.....Shoe-nailing machine	May 18, 1875	722	230	7	865
167, 523	Goddu, Louis, assignor to American Cable Screw Wire Company, Boston, Mass. Sole-channelling machine	Sept. 7, 1875	137	39	8	424
167, 760	Same.....Machine for screw-threading wire	Sept. 14, 1875	351	112	8	463
168, 478	Same.....Hand-tool for channelling soles	Oct. 5, 1875	141	47	8	585
165, 736	Goddu, Louis, assignor, by mesne assignments, to Horace Barnard, New York, N. Y. Book-stitching machine	Oct. 11, 1875	405	132	8	630
169, 257	Goddu, Louis, assignor to American Cable Screw Wire Company, Boston, Mass. Nail for sole-fastenings	Oct. 26, 1875	910	296	8	716
171, 509	Same.....Pegging-machine	Dec. 28, 1875	949	308	8	1100
171, 610	Same.....same	Dec. 29, 1875	946	309	8	1160
162, 470	Godfrey, Cornelius, Huntington, N. Y. Surface-condenser	Apr. 27, 1875	841	271	7	707
	Godfrey, James W. (See Godfrey, William L., assignor.)					
160, 766	Godfrey, William L., assignor to self and James W. Godfrey, New York, N. Y. Pistol-stock	Mar. 16, 1875	495	161	7	434
163, 478	Godfrey, William L., New York, N. Y. Pistol-stock	May 18, 1875	723	220	7	875
	Godley, George F. (See Doubler, John W. II., assignor.)					
161, 115	Godley, George F., Philadelphia, Pa. Car-spring	Mar. 23, 1875	814	266	7	486
162, 165	Same.....Spring for vehicles	Apr. 20, 1875	534	175	7	600
171, 611	Same.....Car-ventilator	Dec. 28, 1875	954	309	8	1101
	Godshalk, Edward H. (See McLaughlin, Sallie, assignor) (Design)					
	Godshall, William S. (See Fink, John B., assignor.)					
165, 726	Godwin, Joshua B., Washington, N. C. Lamp	July 20, 1875	586	180	8	114
169, 434	Godwin, Thomas W., Norfolk, Va. Steam-boiler	Nov. 2, 1875	104	32, 33	8	849
161, 876	Goebel, John C., Chicago, Ill. Cap	Apr. 13, 1875	265	89	7	618
160, 584	Goetz, Bernard, assignor of one-half interest to Frederick Klemm, Philadelphia, Pa. Reflector	Mar. 9, 1875	366	104	7	401
8, 001	Goetze, Heinrich F., assignor to Roxbury Carpet Company, Boston, Mass. Carpet (Design)	Jan. 12, 1875			7	43
8, 162	Same.....same (Design)	Feb. 23, 1875			7	302
8, 330	Same.....same (Design)	May 18, 1875			7	837
8, 414	Same.....same (Case N. Design)	June 29, 1875			7	1028
8, 455	Same.....same (Case M. Design)	June 29, 1875			7	1028
8, 528	Same.....same (Design)	Sept. 7, 1875			8	43
8, 874	Goetz, Heinrich F., Boston, Mass., assignor to Roxbury Carpet Company. Carpet (Design)	Dec. 28, 1875			8	1076
8, 875	Same.....same (Design)	Dec. 28, 1875			8	1076
	Goewey, John A. (See Vodder, Nicholas S., assignor) (Design)					
166, 521	Goff, George W., assignor to East Hampton Bell Company, East Hampton, Conn. Sleigh-bell	Aug. 10, 1875	331	100	8	254
170, 077	Goforth, William, Windsor, Mo. Spring bed-bottom	Nov. 16, 1875	750	237	8	847
171, 561	Same.....Washing-machine	Dec. 28, 1875	894	292	8	1694
170, 168	Gogerty, John, Decatur, Ill. Railway-chair	Nov. 23, 1875	858	268	8	849
159, 088	Gong, Francis R., Boston, Mass. Hat-block	Jan. 26, 1875	727	240	7	146
	Gold and Stock Telegraph Company. (See Edison, Thomas A., assignor.)					
	Same.....(See Foote & Randall, assignors) (Reissue)					
161, 947	Gold, Joseph S., Washington, D. C. Cloth-measuring machine	Apr. 13, 1875	326	109	7	626
167, 330	Gold, Joseph S., Washington Court-House, Ohio. Combined sign and order slate	Aug. 31, 1875	1124	353	8	390
168, 737	Gold, Samuel F., Englewood, N. J. Automatic damper	Oct. 11, 1875	408	132	8	630
163, 009	Gold, Stephen J., Cornwall, Conn. Hot-air furnace	May 11, 1875	273	88	7	791
163, 010	Same.....Potter's pattern	May 11, 1875	273	88	7	791
167, 331	Goldbach, Ferdinand, Williamsburgh, N. Y. Extension-table	Aug. 31, 1875	1124	353	8	390
164, 292	Golden, Jonathan, assignor of one-half interest to George Baldwin, Bradford, Vt. Farm-gate	June 8, 1875	429	143	7	999
165, 995	Goldfinger, Adolph, Newark, N. J. Lock for doors	July 27, 1875	863	265	8	163
160, 066	Goldmann, Philipp, New York, N. Y. Hat and cap	Mar. 9, 1875	376	127	7	412
	Goldmark, Joseph. (See Moore, Daniel, assignor.)					
168, 895	Goldmark, Joseph, Brooklyn, N. Y. Detonating cap for blasting, &c	Oct. 19, 1875	554	181	8	659
159, 089	Goldsmith, Abraham A., Charleston, S. C. Bale-tie	Jan. 26, 1875	727	241	7	146
159, 815	Same.....same	Feb. 16, 1875	559	186	7	274
160, 419	Goldsmith, Abram A., Charleston, S. C. Temporary binder	Mar. 2, 1875	149	51	7	369
158, 370	Goldsmith, Jacob B., Rockport, Mass. Hold-back	Jan. 5, 1875	18	6	7	11
158, 371	Same.....Shaft-tip for vehicles	Jan. 5, 1875	18	6	7	11
162, 054	Goldsmith, J. Mortimer, Boston, Mass. Bale-tie	Apr. 13, 1875	414	138	7	637
163, 649	Same.....same	May 23, 1875	895	281	7	895
164, 164	Same.....same	June 8, 1875	311	105	7	981
164, 165	Same.....same	June 8, 1875	311	106	7	981
	Goldsmith, Joshua. (See Smith & Goldthorp.)					
	Goldsmith, Theodore. (See Winslow & Goldsmith.)					
164, 992	Goldstein, Jacob, assignor of one-half interest to Raphael Phillipson, Chicago, Ill. Key-hole guard	June 29, 1875	1106	357	7	1113
	Goldthorp, Joshua. (See Smith & Goldthorp.)					
	Goldthorp, Joshua, et al. (See Smith, William, assignor.)					
	Goldthwaite, Frank H., et al. (See Gelinas, Zoel, assignor.)					
	Goldthwaite, Moses, et al. (See Gelinas, Zoel, assignor.)					

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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171, 372	Goldy, Daniel, assignor of one-half interest to James M. Goldy, Philadelphia, Pa. Safety-attachment for pockets. (See Goldy, Daniel, assignor.)	Dec. 21, 1875	609	230	8	1059
164, 829	Goldy, Leander W. (See Anderson & Goldy.) Gouce, John W., Jackson County, Ala. Excavator Goug-Bell Manufacturing Company. (See Barton, Elijah C., assignor.)	June 22, 1875	941	304	7	1084
165, 443	Good, Abraham B., Conestoga, Pa. Meat-cutter	July 13, 1875	314	92	8	58
161, 777	Good, Christian, Arcanum, Ohio. Table-fan	Apr. 6, 1875	160	55	7	592
164, 546	Good, John, Brooklyn, N. Y. Regulator for hemp drawing and spinning machines	June 13, 1875	672	218	7	1040
162, 912	Good, Thomas G. (See Dorman & Good.)					
162, 912	Goodale, Levi C., Cincinnati, Ohio. Ornamentation of show-cards	May 4, 1875	160	52	7	768
163, 583	Goodall, Albert B., assignor of one-half interest to John W. Biddle, Philadelphia, Pa. Joint for lead pipes	May 25, 1875	840	265	7	888
169, 988	Goodell, Dexter W., Florence, Mass. Fancet	Nov. 16, 1875	661	208	8	836
159, 259	Goodfellow, John H., Troy, N. Y. Reservoir cooking-stove	Feb. 2, 1875	17	6	7	187
159, 406	Same. Ash-sifter for stoves	Feb. 2, 1875	150	50	7	205
159, 466	Same. Ash-sifter	Feb. 9, 1875	403	134	7	248
159, 667	Same. Ash-sifting device	Feb. 9, 1875	404	134	7	248
159, 668	Same. Ash-sifter	Feb. 9, 1875	405	134	7	248
167, 447	Goodhue, Wayland S. (See Elward, John H., assignor.)					
170, 078	Goodman, Eugene F., Clifton, Iowa. Copy-book	Sept. 7, 1875	60	18	8	415
164, 293	Goodman, Horatio N., Syracuse, N. Y. Reed-organ	Nov. 16, 1875	730	237	8	848
165, 560	Goodman, Joseph, Pittsburgh, Pa. Rotary churn	June 8, 1875	430	143	7	999
160, 015	Goodnough, Alfred, and Thomas Dremuc, Portland, Ore. Reciprocating churn	July 13, 1875	421	127	8	75
162, 746	Goodnow, Daniel, jr., Boston, Mass. Device for cutting out sheet-metal washers	Feb. 23, 1875	703	252	7	309
6, 316	Goodrich, Barnard, Exeter, assignor to self and George H. Tuck, Stratham, N. H. Road-scraper	May 4, 1875	10	4	7	748
162, 225	Goodrich, Harry C. (See Convers, Wilber H., assignor.)					
162, 225	Goodrich, Harry C., Chicago, Ill. Tuck-marker for sewing-machines	Mar. 2, 1875	230	79	7	382
162, 226	Same. Tuck-marker	Apr. 20, 1875	590	113	7	667
162, 227	Same. Tuck-marker	Apr. 20, 1875	591	114	7	667
167, 339	Same. Tuck-creaser	Apr. 20, 1875	592	114	7	667
167, 339	Same. Snap-hook	Sept. 7, 1875	19	5	8	409
169, 633	Goodrich, Henry O. (See Cram, Alonzo W., assignor.)					
6, 781	Goodrich, James. (See Read, Calvin D. and Ellis D., assignors.) Goodrich, John C., et al. (See Ker, William W., assignor.)	Nov. 9, 1875	311	99	8	784
165, 561	Goodridge, John M., assignor, by mesne assignments, to William D. Reynolds, trustee, Norfolk, Va., and Charles Harvey, Baltimore, Md. Tag-fastener	Dec. 7, 1875	247	83	8	983
166, 766	Goodsell, George H., Leechburg, Pa. Steam or gas and air blast pipe for furnaces	July 13, 1875	421	127	8	75
169, 099	Goodspeed, Isaac, Greenville, Conn. Garden-trellis	Aug. 17, 1875	569	175	8	297
166, 091	Goodwin, Asahel J., Brookline, Mass. Invalid-bedstead	Oct. 26, 1875	771	251	8	696
165, 072	Goodwin, Charles H., assignors to Waterbury Button Company, Waterbury, Conn. Button	July 27, 1875	954	293	8	176
165, 676	Goodwin, Frank C., Boston, Mass. Shirt-bosom	July 27, 1875	954	294	8	176
164, 778	Goodwin, Frederick T., and Addison Ives, Boston, Mass. Dredging-box	July 20, 1875	539	164	8	107
160, 667	Goodwin, George H., Boston, and George W. Scavernus, Lawrence, Mass., said Scavernus assignor to said Goodwin. Composition for filling the fibers of paper	Apr. 6, 1875	160		7	592
164, 915	Goodwin, John M., Cleveland, Ohio. Locomotive for burning hydrocarbon	June 29, 1875	1041	335	7	1105
153, 372	Goodwin, Lewis, Gold Hill, Nev., and Samuel A. West, San Francisco, Cal. Pump	Jan. 5, 1875	19	7	7	11
6, 248	Goodwin, Richard J. P., Manchester, N. H., assignor to Edward P. Woods, Daniel Sherwood, and Cyrus H. Latham, Lowell, Mass. Construction of strainers	Jan. 26, 1875	870	283	7	166
163, 479	Goodwin, William C., New Haven, Conn. Corset-clasp	May 18, 1875	724	230	7	865
158, 636	Goodwin, William W., Camden, N. J. Electrical photo-meter balances	Jan. 12, 1875	266	90	7	61
159, 816	Same. Gas-retort	Feb. 16, 1875	560	186	7	274
161, 948	Goodwin, William W., National Post-Office, Iowa. Rock-drill	Aug. 13, 1875	327	110	7	626
6, 254	Goodwin, William W., Philadelphia, Pa. Gas light and pressure indicator	Jan. 26, 1875	897	2-6	7	167
164, 728	Same. Portable or hand photometer	June 22, 1875	849	275	7	1073
159, 755	Goodwyn, Simcon T., New Orleans, La., assignor to Virginia H. Goodwyn. Steam culinary vessel	Feb. 16, 1875	503	168	7	267
161, 221	Goodwyn, Virginia H. (See Goodwyn, Simcon T., assignor.)					
161, 221	Goodyear, Andrew, Albion, Mich. Excavator	Mar. 23, 1875	909	297 298	7	499
160, 894	Goodyear, Andrew, assignor to Zebulon C. Brown, Albion, Mich. Top-support for carriages	Mar. 16, 1875	602	196	7	449
170, 547	Goodyear Boot and Shoe Sewing Machine Company. (See Goodyear & Hadley, assignors.) Goodyear, Charles, jr., New Rochelle, and Benjamin H. Hadley, Brooklyn, N. Y., assignors to Goodyear Boot and Shoe Sewing Machine Company. Machine for sewing boots and shoes	Nov. 30, 1875	1216	382	8	927
163, 064	Goodyear's India Rubber Glove Manufacturing Company. (See Schlarbann, Hermann, assignor.)					
163, 064	Goodyear, Robert B., Wilmington, Del., assignor of one-half interest to Wolfenden, Shore & Co., Cardington, Pa. Shedding mechanism for looms	May 11, 1875	325	105	7	797
166, 923	Goodyear, Robert B., Philadelphia, assignor of one-half interest to Wolfenden, Shore & Co., Cardington, Pa. Shedding mechanism for looms	Aug. 24, 1875	731	227	8	323
169, 634	Gold, John C., Albany, N. Y. Carriage-top	Nov. 9, 1875	313	100	8	784
163, 765	Gooldsbee, John N., et al. (See Stewart, John W., assignor.) Gooldsbee, John N., assignor of two-thirds interest to J. W. Stewart and J. K. Durbam, Woodville, Tex. Vegetable-cutter	May 25, 1875	988	313	7	997
168, 981	Gorby, William A., Bellare, Ohio. Glass cigar-lighter	Oct. 19, 1875	637	210	8	671
163, 153	Gordon, Alexander, George Telford, and Jacob H. Myers, Rochester, N. Y., assignors to Hubbard Harvester Company, Minneapolis, Minn. Mowing-machine	May 11, 1875	432	140	7	811
166, 605	Gordon, Alexander, Jacob H. Myers, George Telford, and Moses G. Hubbard, Rochester, assignors to Differential Gearing Company, Syracuse, N. Y. Harvester	Aug. 10, 1875	403	124	8	264
165, 727	Gordon, Charles, Savannah, Ga. Double-acting pump	July 20, 1875	587	180	8	114
168, 923	Gordon, Charles H., Brooklyn, N. Y. Vault-cover	Oct. 19, 1875	637	211	8	671
171, 221	Gordon, Charlotte. (See Wroth, Alfred B., assignor.)					
171, 221	Gordon, George P., Brooklyn, N. Y. Stage-scenery	Dec. 21, 1875	567	186	8	1041
170, 252	Gordon, George W., Beverly, Ohio. Horse-power	Nov. 23, 1875	934	291	8	859
164, 166	Gordon, Gerald, Boston, Mass. Food for animals	June 8, 1875	312		7	984
160, 181	Gordon, Horace L., West Garland, Mo. Gearing	Feb. 23, 1875	902	297	7	383
162, 376	Gordon, James, San Francisco, Cal. Railway-signal	Apr. 20, 1875	734	239	7	684

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163, 480	Gordon, James F., Rochester, N. Y. Grain-binder	May 18, 1875	724	230	7	865	
169, 258	Same	Oct. 26, 1875	911	266	8	716	
167, 400	Gordon, James P., Karn's City, Pa. Paeker for shutting off water from oil-wells	Sept. 7, 1875	19	6	8	409	
160, 585	Gordon, John, San Francisco, Cal. Reversible pinion for watches	Mar. 9, 1875	307	104	7	401	
170, 948	Gordon, Richard H., jr., Cleveland, Ohio. Furnace for steam-boilers	Dec. 14, 1875	273	94	8	995	
112, 377	Gordon, Thomas J., and Delos H. Bumpus, Rouseville, Pa. Process of manufacturing lubricating-oils	Apr. 20, 1875	735	.....	7	684	
170, 265	Gordon, William J., Philadelphia, Pa. Seaming-machine	Mar. 2, 1875	9	4	7	350	
170, 727	Gordon, William J., assignor to James C. Moore and Patrick Hickey, Philadelphia, Pa. Can-seaming machine	Dec. 7, 1875	67	21	8	959	
6, 640	Gore, Henry A. (See Edgcomb & Gore.)						
162, 228	Gore, John, Braintreeborough, Vt. Harvester	(Reissue.)	Sept. 14, 1875	406	130	8	471
166, 767	Gore, Myron, assignor to William Stormont, Ottawa, Ill. Windmill	Apr. 20, 1875	593	194	7	667	
165, 444	Gorham, Clark I., Chicago, Ill. Nursery-lamp	Aug. 17, 1875	570	175	8	297	
163, 372	Gorham, Clark I., and Edwin J. Cubley, Chicago, Ill.; said Cubley assignor to said Gorham. Nursery-lamp	July 13, 1875	315	92	8	58	
159, 506	Gorham, Elijah D., Hadley, Ill. Cultivator	May 18, 1875	625	200	7	552	
159, 507	Gorham, Marquis L., Rockford, Ill. Grain-binder	Feb. 9, 1875	264	86, 87	7	229	
160, 895	Same. Cultivator	Feb. 9, 1875	271	88	7	229	
168, 983	Gornly, Robert W., Troy, N. Y. Landing-wheel for knitting-machines	Mar. 16, 1875	602	196	7	449	
163, 766	Gorton, Daniel J., Quincy, Ill. Pump	Oct. 19, 1875	633	211	8	671	
160, 608	Gorton, James, New York, N. Y. Chimney-cap	May 25, 1875	959	314	7	907	
160, 317	Gory, Emanuel G. (See Pearson, Samuel, assignor.)	Mar. 9, 1875	378	128	7	412	
160, 586	Gosholt, Christian E., Chambersburgh, Pa. Millstone-balance	(Reissue.)	Mar. 2, 1875	56	20	7	357
167, 055	Gosling, John W., Cincinnati, Ohio. Spring and side-bar connection for vehicles	Mar. 9, 1875	397	104	7	401	
167, 055	Gosnell, William H., et al. (See Hartzell, George, assignor.)	(Design.)	Mar. 9, 1875	397	104	7	401
168, 633	Goss, George D., Boston, Mass. Mechanism for supporting leg-rests for chairs	Aug. 24, 1875	897	279	8	351	
160, 420	Goss, Henry, assignor of one-half interest to R. H. Frisbee, Union City, Pa. Carpet-stretcher	Oct. 11, 1875	316	103	8	617	
162, 655	Goss, Nathaniel S., Neesho Falls, Kans. Cartridge-holder	Mar. 2, 1875	146	51	7	369	
171, 373	Same. Cartridge belt and holder	Apr. 13, 1875	415	139	7	637	
161, 232	Gosshorn, William, Watelloo, Pa. Balancing millstones	Dec. 21, 1875	700	231	8	1059	
158, 934	Gouch, Lyman A., Yonkers, N. Y. Sewer	Mar. 23, 1875	910	298	7	499	
166, 984	Goucher, James, Stroudsburg, Pa. Machine for making toy confectionery	Jan. 19, 1875	562	186	7	116	
168, 984	Gouge, Henry A., New York, N. Y. Ventilator-cap	Aug. 24, 1875	786	243	8	336	
168, 984	Gould, Ames, and Walter M. Hayden, Rochester, N. Y. Lubricator	Oct. 19, 1875	639	211	8	671	
6, 272	Gould, Charles B. (See Weeks, George H., assignor.)						
165, 666	Gould, Charles H., et al. (See Morrison, Josiah H., assignor.)	(Reissue.)	Feb. 2, 1875	245	79	7	218
160, 876	Gould, Henry W., Cleveland, Ohio. Repairing pavements	(Reissue.)	Feb. 2, 1875	245	79	7	218
170, 179	Gould, John A., Sturbridge, Mass. Yarn-beam	July 20, 1875	535	163	8	166	
160, 587	Gould, John H., Hudson, N. Y. Water-closet	Mar. 16, 1875	664	197	7	449	
168, 479	Gould, John H., jr., assignor to John H. Gould, Philadelphia, Pa. Sofa-bedstead	Nov. 16, 1875	751	238	8	848	
161, 344	Gould, Levi A., Santa Clara, Cal. Fruit-drier	Mar. 9, 1875	308	104	7	402	
167, 949	Gould, William, Minneapolis, Minn. Furniture-caster	Oct. 5, 1875	143	48	8	585	
164, 344	Gould, William B., Montrose, N. J. Stair-cover	(Design.)	May 4, 1875	.....	7	742	
167, 949	Gould, William C., New York, N. Y. Nut-lock	Aug. 13, 1875	327	110	7	626	
166, 768	Gould, William R., Montrose, N. J. Corner-clamp for trunks	Dec. 21, 1875	700	231	8	1059	
162, 229	Goulding, John, Worcester, Mass. Steam generator	Aug. 17, 1875	571	175	8	297	
170, 080	Goulet, Felix, Island Pond, Vt. Gage-lathe for turning wood	Apr. 20, 1875	593	195	7	667	
168, 634	Govey, Thomas H., and William R. Lovelace, Talbot, Tenn. Wagon-brake	Nov. 16, 1875	752	238	8	848	
171, 375	Gove, Andrew J. (See Garland & Gove.)						
168, 634	Gove, Edward, et al. (See Mayo, Charles H., assignor.)	(Reissue.)	Dec. 21, 1875	701	531	8	1059
158, 485	Gove, George N., Fond du Lac, Wis. Saw-set	Dec. 21, 1875	701	531	8	1059	
160, 588	Govier, John W. (See Hutchinson & Govier.)						
164, 443	Gowan, Emilus D. (See Heade & Gowan.)						
166, 862	Gowing, George, San Francisco, Cal. Machine for filling sewing-machine bobbins	Oct. 11, 1875	316	103	8	617	
159, 650	Grabham, Angehe P., Mineral Point, Wis. Quilting-frame clamp	Jan. 26, 1875	728	241	7	146	
164, 443	Gracey, Robert, assignor of two-thirds interest to Charles E. Marchand and Thomas R. Mor. an, Alliance, Ohio. Die for beading bolts	Jan. 5, 1875	117	40	7	25	
160, 588	Same. Machine for beading bolts	Jan. 5, 1875	119	40	7	26	
164, 443	Graf, August and Wilhelm, Burnett Junction, Wis. Windmill	Mar. 9, 1875	309	105	7	492	
166, 862	Graf, Leopold, Newark, N. J. Ice-polishing machine	June 15, 1875	586	191	7	1029	
166, 862	Graf, Wilhelm. (See Graf, August and Wilhelm.)						
166, 862	Graf, Wilhelm E., New York, assignor of one-half interest to Samuel W. Canfield, Piermont, N. Y. Apparatus for the manufacture of salicylic acid	Aug. 17, 1875	656	203	8	309	
166, 863	Same. Process of producing salicylic acid	Aug. 17, 1875	656	203	8	309	
166, 693	Graff & Co., William. (See McNair, William L., assignor.)						
163, 747	Graff, Jacob A. (See Burger & Graff.)						
166, 693	Grafton, E. W., et al. (See Wilcox, Harlow M., assignor.)						
163, 747	Grafton, William, Clinton, Tex. Ant-destroying apparatus	July 27, 1875	955	294	8	176	
165, 445	Grab, Emil, Toledo, Ohio. Permutation lock	May 25, 1875	990	314	7	907	
168, 248	Graham & Haines. (See Howes, Thomas C., assignor.)						
159, 467	Graham, Alexander, Mamford, N. Y. Bolt-trimmer	July 13, 1875	315	93	8	58	
164, 989	Graham, Ezra, assignor to self and Enoch Hamblin, Manchester, Iowa. Draft-equalizer	Sept. 28, 1875	829	264	8	547	
167, 332	Graham, James, Detroit, Mich. Car-coupling	Feb. 2, 1875	151	51	7	265	
167, 332	Graham, James S., Rochester, N. Y. Wood-planing machine	June 29, 1875	1103	356	7	1113	
167, 332	Graham, John, assignor to George R. Kirk, Philadelphia, Pa. Oil-cup	Aug. 31, 1875	1125	353	8	391	
171, 118	Graham, Joseph. (See Stratton, Daniel, assignor.)	(Reissue.)					
158, 486	Graham, William A., Carlisle, Pa., assignor to William H. Philip, trustee. Brick-machine	Dec. 14, 1875	439	145	8	1016	
159, 919	Graham, Williamson, Rochester, Pa. Starch-strainer	Jan. 5, 1875	121	41	7	26	
162, 231	Grabl, Carl B. (See Epeneter & Grabl.)						
162, 231	Grain Binder Company. (See Travis, Charles L., assignor.)						
162, 231	Gram, Ernst W., and John Nelson, Jonestown, Miss. Stove	Feb. 16, 1875	653	216	7	287	
162, 231	Grandler, William, et al. (See Wemyss, Alexander, assignor.)	(Design.)					
162, 231	Granger, Dennis W. (See Scott & Granger.)						
162, 231	Granger, Elihu J. (See Aydin & No. 4, assignors.)						
162, 231	Granger, Elihu J., Brooklyn, N. Y. Barrel-stave adjuster	Apr. 20, 1875	595	195	7	667	
162, 913	Same. Compound chuck for veneer-cutting machines	May 4, 1875	161	52	7	708	
165, 163	Same. Machine for compressing barrels	July 6, 1875	14	5	8	11	

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 635	Granger, Elihu J., Brooklyn, N. Y. Stave-jointing machine	Nov. 9, 1875	315	{ 100 101 }	8	784
162, 230	Granger, Elihu J., Brooklyn, and Heman S. Smith, Southfield, N. Y. Barrel-head adjuster	Apr. 20, 1875	594	195	7	667
169, 259	Granger, Harry W., Detroit, Mich. Furnace-grate	Oct. 26, 1875	914	296	8	716
161, 608	Grannis, Charles W., Gowanda, N. Y. Milk-cooler and cheese-vat	Apr. 6, 1875	17	7	7	571
	Grannis, Joseph A. (See Knowles, Wilson W., assignor.)					
	Grant, Charles C., administrator. (See Grant, Frederick T.) (Extension.)					
	Grant, Frank, et al. (See Hartwell, Charles S., assignor.)					
	Grant, Frederick T., deceased, by Charles C. Grant, administrator, Augusta, Me. Sliver-machine (Extension.)	Mar. 19, 1875			7	466
164, 547	Grant, George H., Richmond, Ind. Black-board eraser	June 15, 1875	673	218	7	1040
160, 182	Grant, John J., assignor to self and Solon L. Wiley, Greenfield, Mass. Steam-valve	Feb. 23, 1875	902	297	7	329
167, 165	Grant, John J., assignor to Pratt & Whitney Company, Hartford, Conn. Die-stock	Aug. 31, 1875	985	306	8	370
170, 949	Same. Screw-cutting-die holder	Dec. 14, 1875	279	94	8	995
169, 164	Grant, William P., Magnolia, Ark. Horse-power	Oct. 26, 1875	830	269	8	705
161, 950	Grasser, Charles, assignor to American Art Foundry, Somerville, Mass. Mode of making molds for castings	Aug. 13, 1875	328	110	7	626
163, 656	Grasser, Charles, and Jacob Stepp, assignors, by mesne assignments, to American Art Foundry, Somerville, Mass. Apparatus for casting metals	Apr. 13, 1875	416		7	638
165, 154	Grasser, William F., Muncy, Pa. Locomotive-boiler furnace	July 6, 1875	15	5, 6	8	11
167, 448	Gratz, H. Howard, Lexington, Ky. Lawn-settee	Sept. 7, 1875	61	19	8	415
160, 424	Gravelius, Christian, Brooklyn, N. Y. Billiard-cue-tip fastener	Mar. 2, 1875	146	51	7	369
168, 151	Grauel, Edwin S., Dayton, Ohio. Door-check	Sept. 28, 1875	747	236	8	535
165, 562	Gravelius, Christian, Brooklyn, N. Y. Billiard-cue-tip fastener	July 13, 1875	422	127	8	75
162, 814	Graves, Dwight, and Charles O. Hoves, North Amherst, Mass. Saw-guard	May 4, 1875	72	23	7	756
	Graves, E. Emmons. (See Talpey, Joseph A., assignor.)					
165, 563	Graves, Erastus G., Rome, N. Y. Snow-plow	July 13, 1875	423	128	8	75
169, 537	Graves, Frederick D., South Boston, Mass. Rowlock	Nov. 2, 1875	191	6	8	761
	Graves, James T. (See Ashworth, Harvey T., assignor.)					
164, 828	Graves, John L., Springfield, Mass. Fishing-rod	June 22, 1875	940	304	7	1084
	Graves, John A. S. (See Howard, Elijah L., assignor.)					
	Graves, R. C., et al. (See Graves, Robert C., assignor.) (Reissue.)					
6, 353	Graves, Robert C., Cambridge, Ohio, assignor to William H. Hobbs and R. C. Graves. Grate-bar (Reissue.)	Mar. 30, 1875	1381	411	7	554
	Gray, A. (See Gray, Adam, assignor.)					
161, 504	Gray, Adam, Cincinnati, assignor to A. Gray, College Hill, Ohio. Chemical fire-extinguisher	Mar. 30, 1875	1202	386	7	544
166, 456	Gray, Albert W., assignor to self and Leonidas and Albert Y. Gray, Middletown, Vt. Grain-separator	Aug. 10, 1875	279	83	8	246
	Gray, Albert Y., et al. (See Gray, Albert W., assignor.)					
	Gray, Allen F. (See Gray, Solomon S., assignor.)					
160, 669	Gray, Allen F., assignor to self and Solomon S. Gray, Boston, Mass. Vapor-burner	Mar. 9, 1875	379	126	7	412
169, 415	Gray, Andrew G., Saint John, Canada. Mowing-machine	Nov. 2, 1875	105	33	8	749
166, 357	Gray, Carroll E., Saint Louis, Mo. Fire-plug	Aug. 3, 1875	155	48	8	221
170, 548	Gray, Charles, Greene, N. Y. Wagon-jack	Nov. 30, 1875	1218	383	8	928
6, 225	Gray, Elisha, Chicago, Ill. Electro-magnetic enunciator (Reissue.)	Dec. 28, 1875	987	319	8	1106
162, 057	Same. Electric annunciator	Apr. 13, 1875	416	139	7	638
165, 728	Same. Transmitter for electro-harmonic telegraph	July 20, 1875	528	180	8	114
166, 094	Same. Receiver for electro-harmonic telegraphs	July 27, 1875	956	294	8	176
166, 095	Same. Electric telegraph for transmitting musical tones	July 27, 1875	957	{ 294 295 296 }	8	176
168, 249	Same. Printing-telegraph	Sept. 28, 1875	830	{ 265 266 }	8	547
166, 096	Gray, Elisha, Chicago, Ill., assignor of one-half interest to Samuel S. White, Philadelphia, Pa. Electric telegraph for transmitting musical tones	July 27, 1875	958	295	8	177
	Gray, Forest W. (See Gray, Watson S., and Forest W.)					
160, 546	Gray, Frank M., Norwood, Ill. Garden-sprinkler	Mar. 9, 1875	248	85	7	393
165, 564	Gray, George L., and Comegys C. Lusby, Philadelphia, Pa. Air-carburetor	July 13, 1875	424	128	8	75
159, 217	Gray, Harriet, Marquette, Mich. Tea-kettle	Feb. 16, 1875	560	186	7	274
158, 701	Gray, Henry H., Middleville, Minn. Ditching-machine	Jan. 12, 1875	325	110	7	70
169, 436	Gray, Henry M., San Francisco, Cal. Metallic burial-case	Nov. 2, 1875	106	33	8	749
	Gray, Henry W., et al. (See Slater, Sarah, assignor.)					
	Gray, James H. (See Carver, Thomas F., assignor.)					
166, 358	Gray, James R., Chesterville, Miss. Horse-power	Aug. 3, 1875	156	48	8	222
6, 396	Gray, John D., Cincinnati, Oh. Stand oil-can (Reissue.)	Apr. 20, 1875	825	266	7	696
159, 568	Gray, John J., assignor of one-half interest to George S. Norris, Baltimore, Md. Nut-lock	Feb. 9, 1875	272	88	7	229
	Gray, Leonidas, et al. (See Gray, Albert W., assignor.)					
166, 202	Gray, Martin, Mentor, Ohio. Derrick	Aug. 3, 1875	18	6	8	201
163, 481	Gray, Peter, Cambridge, Mass. Water-cooler	May 18, 1875	725	231	7	865
	Gray, Solomon S. (See Gray, Allen F., assignor.)					
6, 691	Gray, Solomon S., Boston, Mass., assignor, by mesne assignments, to Union Paper Collar Company, New York, N. Y. Paper collar (Reissue.)	Oct. 11, 1875	484	157	8	641
160, 670	Gray, Solomon S., assignor to self and Allen F. Gray, Boston, Mass. Vapor-burner	Mar. 9, 1875	379	128	7	412
161, 336	Same. same	Mar. 30, 1875	1037	337	7	523
163, 965	Gray, Walter S., Keokuk, Iowa. Machine for wiring bind slats and rods	May 11, 1875	326	{ 105 106 }	7	977
163, 373	Gray, Watson S., and Forest W., Philadelphia, Pa. Fire and water proof composition	May 18, 1875	626		7	852
169, 351	Gray, William M., Brooklyn, N. Y. Door-spring attachment	Nov. 2, 1875	26	8	8	738
	Gray, William S. (See Otis, Newton S., assignor.)					
160, 492	Grayson, William, Saint Louis, Mo. Refrigerator	Mar. 2, 1875	147	51, 52	7	369
165, 324	Greacen, John jr., New York, N. Y. Rubber hose	July 6, 1875	106	50	8	31
161, 779	Greacoh, Stephen B., Newark, N. J. Valve for compound engines	Apr. 6, 1875	161	56	7	592
	Greanelle, Emma J., et al. (See Greanelle, Walling D., assignor.)					
169, 538	Greanelle, Walling D., assignor to James D. Keegan, jr., and Emma J. Greanelle, New York, N. Y. Hydrant	Nov. 2, 1875	192	66	8	761
	Greason, James A., et al. (See Higgins, Sylvester W., assignor.)					
	Great American Fire Extinguisher Company. (See Hughes, Alexander E., assignor.)					
161, 116	Grebnor, Maximillion, New Orleans, La. Tinting platform for sewing-machine tables	Mar. 23, 1875	815	267	7	486
166, 522	Greely, Lewis A., Lima, Ohio. Saw-setting device	Aug. 10, 1875	332	101	8	254
176, 669	Green, Charles, Rochester, N. Y. Breech-loading fire-arm	Dec. 7, 1875	15	5	8	953
	Green, Elijah S. (See Douglas & Green.)					
169, 803	Green, Francis D., Williamsport, Pa. Panel-raising machine	Nov. 9, 1875	488	{ 153 154 }	8	806

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166, 272	Green, Francis H., Eau Claire, Wis. Wheel for vehicles.	Aug. 3, 1875	79	25	8	210
8, 679	Green, Frederick W., Orange, N. J., assignor to Hartford Carpet Company, Hartford, Conn. Carpet (Design).	Feb. 23, 1875			7	302
171, 112	Green, George F., Kalamazoo, Mich., assignor to Samuel S. White, Philadelphia, Pa. Electro-magnetic dental plugger.	Dec. 14, 1875	441	146	7	1017
171, 120	Same. same	Dec. 14, 1875	443	146	7	1017
171, 121	Same. same	Dec. 14, 1875	444	146	7	1017
171, 122	Same. Electro-magnetic F.	Dec. 14, 1875	446	146	7	1017
171, 123	Same. Electro-magnetic dental plugger.	Dec. 14, 1875	447	147	7	1017
159, 048	Green, George F., Kalamazoo, Mich., and Samuel S. White, Philadelphia, Pa. Electro-magnetic dental tool.	Jan. 26, 1875	676	221	7	133
170, 253	Green, George W., assignor of one-third interest to Oliver S. Causcy, High Point, N. C. Clothes-drier.	Nov. 23, 1875	935	291	8	880
169, 352	Green, Henry, Preston, and John Barrow, Clayton, Great Britain. Apparatus for lighting and extinguishing gas.	Nov. 2, 1875	27	8, 9	8	739
162, 815	Green, Henry C., assignor of one-half interest to John H. Gettman, Oshkosh, Wis. Ironing-board.	May 14, 1875	73	23	7	756
170, 549	Green, Herman A., assignor to Freeman, Valentine & Green, Ithaca, N. Y. Cultivator Green, Horace A. (See Eichholz, John H., assignor.) Green, Joseph. (See Stanchille & Green.) Green, Matthew. (See Mackey & Green.) Green, Oscola C. (See Rowland, Charles, assignor.)	Nov. 30, 1875	1218	383	8	928
158, 373	Green, Stephen, assignor to Barna, T. Stowell, Lebanon, Mo. Hoe.	Jan. 5, 1875	19	7	7	11
160, 822	Green, William, Hyde, England. Car-coupling.	Mar. 16, 1875	545	177	7	441
167, 238	Green, Willis D. (See Wallace, William S., assignor.) Greenalch, Richard, Greenbush, assignor to self and William Buchanan, Yonkers, N. Y. Packing for stuffing-boxes.	Aug. 31, 1875	1046	325	8	379
170, 053	Greene, Charles T. (See Van Arman, James W., assignor.)	Feb. 23, 1875	786		7	313
165, 817	Greene, Edward, New York, N. Y. Manufacture of gunpowder.	July 20, 1875	674	207	7	126
8, 760	Greene, James A., North Kingston, R. I. Boot and shoe webbing. (Design).	Oct. 26, 1875			8	689
167, 449	Greene, James B., Elliott, Cal. Harrow.	Sept. 7, 1875	61	19	8	415
160, 423	Greene, Jane M., executrix. (See Greene & Pawling.) (Reissue.)	Mar. 2, 1875	148	52	7	370
169, 160	Greene, John A., Brooklyn, N. Y. Rubber tire for vehicle-wheels.	Oct. 26, 1875	772	251	7	696
166, 271	Greene, Phillip B., Centerville, Iowa. Motive-power.	Aug. 3, 1875	79	24	8	210
6, 587	Greene, William K., deceased, by Jane M. Greene, executrix, Amsterdam, and William M. Pawling, Hagaman's Mills, N. Y. Machine for drying tubular knit fabrics. (Reissue.)	Aug. 10, 1875	474	{ 145 } { 146 }	{ 8 }	274
6, 588	Same. same. (Reissue.)	Aug. 10, 1875	476	146	8	271
168, 323	Greene, W. S., et al. (See Clem, James M., assignor.)	Oct. 5, 1875	12	4	8	566
163, 184	Greener, William W., Birmingham, England. Breech-loading fire-arm.	May 11, 1875	433	141	7	811
170, 550	Greenleaf, Joseph H., New Haven, Conn. Needle-loom.	Nov. 20, 1875	1219	383	7	928
161, 877	Greenleaf, Miller T., and Frederick Kruse, Quincy, Ill. Millstone tram and staff. Greenough, John J., Syracuse, N. Y. Rubber-tire for vehicle apparatus.	Apr. 13, 1875	266	89	7	618
159, 260	Greenwood, Arthur. (See Keats, Greenwood & Keats.)	Feb. 2, 1875	19	6	7	187
167, 166	Greenwood, John, Rochester, N. Y. Journal-box for shaft-hangers.	Aug. 31, 1875	985	306	8	371
167, 834	Greenwood, Mark T., deceased, by Mary A. Greenwood, administratrix, Fitchburgh, Mass. Centering device.	Sept. 21, 1875	433	138	8	483
162, 471	Greenwood, Mary A., administratrix. (See Greenwood, Mark T.)	Apr. 27, 1875	845	272	7	707
167, 661	Greenwood Pottery Company. (See Coxon, Jonathan, assignor.) (Design.)	Sept. 14, 1875	261	81	8	453
167, 096	Greenwood, Samuel, and James Templeton, Lowell, Mass. Stop-motion for looms. Greenwood, Thomas J., Warren, Ill. Crimping-machine. Greenwood, William M., and John N. Clarke, Cincinnati, Ohio. Roll for making horse-shoe-blanks.	Aug. 24, 1875	898	280	8	351
165, 996	Greer, Benjamin A. F. (See Strong, George S., assignor.)	July 27, 1875	864	266	8	163
169, 690	Greet, William, Mooresville, Ala. Hook bale-tie.	Nov. 9, 1875	374	117	8	791
162, 058	Greeg, Isaac, jr., Philadelphia, Pa. Brick-machine.	Apr. 13, 1875	417	139	7	638
163, 926	Greeg, Joseph D., Elkhart, Ind. Wood-grinder for paper-pulp.	June 1, 1875	75	25	7	941
158, 487	Greeg, Marshall, California, assignor of one-half interest to William A. Lyons, Chamois, Mo. Corn-planter.	Jan. 5, 1875	122	41	7	26
165, 092	Gregg, Robin R., Buffalo, N. Y. Pneumatic railway.	June 29, 1875	1191	384	7	1125
159, 091	Gregg, William L., Chicago, Ill. Brick-kiln.	Jan. 26, 1875	729	211	7	146
164, 729	Same. Hollow grate-bar.	June 22, 1875	870	276	7	1073
168, 564	Same. Brick-machine.	Oct. 11, 1875	248	82	8	667
168, 391	Gregory, Alfred, Newark, N. J. Burelar-alarm.	Oct. 5, 1875	64	23	8	571
160, 589	Gregory, Erastus H., et al. (See Beckley, Anson J., assignor.)	Mar. 9, 1875	311	165	7	462
165, 505	Gregory, Walter, et al. (See Beckley, Anson J., assignor.)	July 13, 1875	426	129	8	76
170, 551	Greiner, Carl, New York, N. Y. Faucet for drawing off effervescent liquids.	Nov. 20, 1875	1220	383	8	928
169, 691	Greiner, Charles, New York, N. Y. Apparatus for drawing effervescent liquids. Same. Soda-water fountain.	Nov. 9, 1875	374	117	8	791
160, 692	Gresbeck, Friedrich, and Eugen Mullender, Detroit, Mich. Register. (Reissue.)	Feb. 2, 1875	829	272	7	318
166, 274	Gribbin, John, et al. (See Shawk, George W., assignor.)	Aug. 3, 1875	81	25	8	210
159, 261	Gribble, John B., Grass Valley, Cal. Candlestick. Gridley, Dwight. (See Bruen & Gridley.)	Feb. 2, 1875	19	6	7	187
171, 378	Grist, John M., Chicago, Ill. Ruffling and gathering attachment for sewing-machines.	Dec. 21, 1875	619	202	8	1018
161, 223	Gristen, George B. (See Wood, Thomas T., assignor.)	Mar. 23, 1875	911	298	7	439
170, 670	Griffin, Alvah J., Lowell, Mass. Hydrocarbon burner and gas generator.	Dec. 7, 1875	16		8	953
170, 254	Griffin, Archibald D., Hopwell, Pa. Car-wheel for tram-roads.	Nov. 23, 1875	935	291	8	880
161, 679	Griffin, B. W. (See Welman, Alfred C., assignor.) Griffin, Joseph A., Syracuse, N. Y. Compound as a substitute for eggs. Griffin, Patrick, Cork, Ireland. Apparatus for the manufacture of spirits. (Reissue.)	Apr. 6, 1875	78	28	7	580
168, 635	Griffith, Frederick W., and George P. Byrne, New York, N. Y. Printing-press.	Oct. 11, 1875	318	{ 103 } { 104 }	{ 8 }	617
162, 644	Griffith, George V., Huntington, Ind. Machine for making hoops.	Apr. 27, 1875	591	318	7	725
164, 294	Same. Machine for cutting hoops.	June 8, 1875	431	143	7	299

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161, 406	Griffith, Merlin C., Casadaga, N. Y. Clothes-drier.....	Mar. 30, 1875	1106	358	7	531
162, 914	Griffith, Mortimer A., Dayton, Ohio. Screw-cutting die.....	May 4, 1875	261	53	7	768
167, 333	Griffith, Samuel, and John S. Patterson, Cincinnati, Ohio. Car-bumper.....	Aug. 31, 1875	1126	354	8	391
168, 480	Griffith, Sherman W., Union City, Pa. Railway-rail joint.....	Oct. 5, 1875	144	48	8	586
168, 738	Griffith, Thomas H., Fayette City, Pa. Chimney-cowl.....	Oct. 11, 1875	409	133	8	630
	Griffith, Uriel. (See Noel, Chesley T., assignor.)					
	Griffiths, Butler, et al. (See Griffiths, John W., assignor.)					
	Griffiths, Edgar B., et al. (See Griffiths, John W., assignor.)					
	Griffiths, George T., et al. (See Griffiths, John W., assignor.)					
	Griffiths, Herbert M., et al. (See Griffiths, John W., assignor.)					
171, 376	Griffiths, John W., Brooklyn, N. Y., assignor to Herbert M., Edgar B., George F., Mary S., and Butler Griffiths. Machine for bending wood.....	Dec. 21, 1875	701	{ 231 232 }	8	1059
	Griffiths, Mary S., et al. (See Griffiths, John W., assignor.)					
164, 730	Griggs, Augustus, La Fayette, Tenn. Plow.....	June 52, 1875	851	276	7	1072
166, 097	Griggs, Henry C., Waterbury, Conn. Button for wearing apparel.....	July 27, 1875	960	265	8	117
159, 408	Griffet, Alexander, Philadelphia, Pa. Bedstead-fastening.....	Feb. 2, 1875	152	51	7	205
164, 444	Grilley, Charles T., Boston, Mass. Leather washer.....	June 15, 1875	587	191	7	1029
164, 445	Same.....Mechanism for forming leather washer.....	June 15, 1875	588	191	7	1029
164, 446	Same.....Leather washer.....	June 15, 1875	590	192	7	1029
164, 447	Same.....Shoe-tips.....	June 15, 1875	591	192	7	1029
166, 361	Same.....Shoe tip or protector.....	Aug. 3, 1875	157	49	8	222
166, 362	Same.....same.....	Aug. 3, 1875	159	49	8	222
166, 769	Same.....same.....	Aug. 17, 1875	572	176	8	297
159, 818	Grim, David, Pittsburgh, Pa. Wheel for vehicles.....	Feb. 16, 1875	561	186	7	214
	Grimes, Francis M. (See Porter & Grimcs.)					
8, 656	Grimm, Clouse D., Glenwood, N. J. Pipe..... (Design).....	Sept. 21, 1875			8	475
171, 562	Grimm, John, Saint Louis, Mo. Straw-cutter.....	Dec. 28, 1875	895	292	8	1064
171, 476	Grimm, Richard, assignor to self and Henry Meyer, New York, N. Y. Paper-box machine.....	Dec. 28, 1875	810	267	8	1082
	Grimshaw, Ellwood. (See Carpenter & Grimshaw.)					
163, 768	Grimshaw, Ellwood, and Warren F. Osgood, Minneapolis, Minn. Vehicle-pole tip.....	May 25, 1875	991	314	7	907
160, 877	Grimshaw, William D., Rocky Hill, N. J. Rubber-coated bag.....	Mar. 16, 1875	604	197	7	449
160, 896	Same.....Water-proof compound.....	Mar. 16, 1875	605		7	449
163, 650	Grimsted, John, Milton, Cal. Shoe for wagon-brakes.....	May 23, 1875	895	283	7	845
169, 354	Grinnell, Frederick, Providence, R. I. Method of drilling holes in pipe for sprinkling water.....	Nov. 2, 1875	31	9	8	739
169, 355	Same.....Pipe-drilling machine.....	Nov. 2, 1875	32	9, 10	8	739
161, 506	Same.....Sprinkling-pipe.....	Nov. 2, 1875	34	10	8	739
159, 029	Grinstead, William, and John A. Darling, Washington, D. C. File-wrapper.....	Mar. 30, 1875	1205	387	7	544
	Grinter, Thomas W., assignor to self and Joseph F. Jewett, Cincinnati, Ohio. Paper bag.....	Jan. 26, 1875	677	221	7	128
159, 030	Same.....Paper-bag machine.....	Jan. 26, 1875	678	{ 221 222 223 }	7	139
164, 548	Same.....same.....	June 15, 1875	674	{ 218 219 }	7	1040
164, 549	Same.....Cloth bag.....	June 15, 1875	677	220	7	1041
164, 550	Same.....same.....	June 15, 1875	678	220	7	1041
171, 611	Griscom, Isaac W., Woodbury, N. J. Potato-bug destroyer.....	Dec. 14, 1875	339	113	8	1603
	Griscom, William M., et al. (See Rippen, Adolph, assignor.)					
168, 985	Griscom, William M., assignor to self and Nathan and William Harbster, Reading, Pa. Apple-paring machine.....	Oct. 19, 1875	640	212	8	671
168, 986	Griscom, William M., Reading, Pa. Reversible latch.....	Oct. 19, 1875	640	212	8	671
158, 412	Griswold, Alfred D., assignor to Myrtilla Griswold, New York, N. Y. Feather dusting-brush.....	Jan. 5, 1875	54	19	7	17
171, 012	Griswold, Cathrine A., New York, N. Y. Abdominal corset.....	Dec. 14, 1875	310	113	8	1003
	Griswold, Frank W. (See Pierce & Griswold.)					
159, 318	Griswold, George W., Pottersville, N. Y. Saw-zimmer.....	Feb. 2, 1875	76	25	7	194
165, 093	Griswold, Govion G., New York, N. Y. Umbrella.....	June 29, 1875	1193	354	7	1125
167, 167	Griswold, Lev, assignor to David Hays and Nathan P. Wells, Johnstown, N. Y. Alarm-lock.....	Aug. 31, 1875	987	307	8	371
167, 168	Same.....Key for locks.....	Aug. 31, 1875	988	307	8	371
	Griswold, Matthew. (See Selden & Griswold.)					
163, 311	Griswold, Myrtilla. (See Griswold, Alfred D., assignor.)					
167, 893	Griswold, Oorden, Hartford, Conn. Furniture-duster.....	May 18, 1875	571	183	7	845
	Groat, Elias, Napa, Cal. Churn.....	Sept. 21, 1875	486	153	8	490
	Groat, Peter B. (See Draper, Henry V. P., assignor.)					
159, 092	Groff, Augustus M. L., and John A. Marvel, Wilmington, Del. Machinery for finishing leather.....	Jan. 26, 1875	731	{ 241 242 }	7	147
	Gronberg, Otto. (See Bryce & Gronberg.)					
165, 325	Groner, Ole T., Baltimore, Md. Sawing-machine.....	July 6, 1875	167	51	8	31
168, 152	Groom, Thurstan, Guelph, Canada. Cooking-range.....	Sept. 28, 1875	748	236	8	535
159, 176	Groover, Joseph M., assignor of one-fourth interest to James A. Brooks, Oxford, Mich. Grain-binder.....	Jan. 26, 1875	804	{ 263 264 }	7	157
168, 392	Grose, Anda D., Tilton, Ky. Churn.....	Oct. 5, 1875	66	23	8	574
170, 846	Groshon, John A., assignor to self and John D. Backhout, New York, N. Y. Fire-escape ladder.....	Dec. 7, 1875	170	58	8	973
164, 167	Gross, Henry, Cincinnati, Ohio. Permutation-lock for safe-doors.....	June 8, 1875	313	106	7	981
163, 185	Gross, William L., and William W. Kelchner, Springfield, Ill.; said Gross assignor to said Kelchner. Combined blank and envelope.....	May 11, 1875	434	141	7	811
171, 124	Grosskopf, Henry H. H., Philadelphia, Pa. Combined shirt and drawers.....	Dec. 14, 1875	448	147	8	1017
	Grotenthaler, Vincent. (See Schneider & Ulling, assignors.)					
	Grove, Michael M., et al. (See Kline, Jacob, assignor.)					
	Grove, M. N. (See Kline, Jacob, assignor.)..... (Reissue.)					
8, 787	Grove, William A. (See Hart & Grove.)					
8, 802	Grove, William H., Philadelphia, Pa. Show-case..... (Design).....	Nov. 9, 1875			8	777
169, 260	Same.....same..... (Design).....	Nov. 23, 1875			8	862
	Grover, John W., Westminster, England. Machine for making spring-washers.....	Oct. 26, 1875	915	297	8	716
	Grover, Reuben C. (See Degraw, George H., assignor.)					
162, 378	Grover, Theodore L., Brookline, assignor to Bertrand Clover, New York, N. Y. Device for forging file-blanks.....	Apr. 20, 1875	736	239	7	684
	Groves, Thomas, administrator. (See Sutherland, James.)					
169, 901	Groves, William C., Liberty, Wis. Water-wheel.....	Nov. 16, 1875	593	181	8	827
171, 613	Grow, William H. and Crawford M., Sloan Rock, Kans. Shears for cutting hogs' noses.....	Dec. 14, 1875	340	113	8	1003

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 761	Grubb, George W., East Coventry, Pa. Washing-machine.....	Sept. 14, 1875	355	112	8	463
	Grubb, Jonathan W., et al. (See La Rue, Silas H., assignor.)					
160, 093	Grube, Martin, Lancaster, Pa. Apparatus for flavoring spirits.....	Feb. 23, 1875	830	273	7	318
161, 626	Grunmon, Robert S., Newark, N. J. Book-rest.....	Mar. 23, 1875	727	239	7	475
159, 319	Grauewald, George, New York, N. Y. Step-ladder.....	Feb. 2, 1875	77	26	7	194
159, 101	Gruver Automatic Car Coupling Company. (See Stamour, John B., assignor.)					
	Gruwe, Emil, Hoboken, N. J., assignor to Schweizer & Gruwe, New York, N. Y. Metallic frame for buildings.....	Oct. 26, 1875	773	251	8	696
163, 925	Grzybowski, Julian, Detroit, Mich. Pump.....	July 27, 1875	796	244	8	154
6, 273	Guard, Chauncey H., assignor of one-half interest to John W. Ford, Tippecanoe City, Ohio. Hub for vehicle-wheels.....	Feb. 2, 1875	245	80	7	218
159, 262	Guard, Chauncey H., Tippecanoe, Ohio. Hub for vehicle-wheels.....	Feb. 2, 1875	20	7	7	187
6, 411	Gue, Albert F., Chicago, Ill., assignor to Luman Jenison, Jenisonville, Mich., James M. Kiley and George E. Plumber, Austin, Ill., and Samuel W. Cozzens and George F. Field, Boston, Mass. Car-brake..... (Reissue.)	May 4, 1875	245	79	7	779
170, 552	Guelicher, Charles, Newark, N. J. Device for preventing horses from running.....	Nov. 20, 1875	1220	354	8	928
162, 902	Guenther, Charles W., Reading, Pa. Wash-beller.....	Nov. 16, 1875	593	184	8	827
161, 680	Guest, John H., Brooklyn, N. Y. Regulator for electrical water-raising apparatus.....	Apr. 6, 1875	79	28	7	580
159, 572	Guest, Thomas L., Pottstown, Pa. Spring-quahzer.....	Feb. 9, 1875	323	106	7	236
158, 859	Gucheteau, Ferdinand, and Alexandre Perin, New York, N. Y. Temporary binder.....	Jan. 19, 1875	471	158	7	105
161, 507	Guinet, Louis, Baltimore, Md. Device for fastening bed rails to their posts.....	Mar. 30, 1875	1205	387	7	544
165, 896	Guild, Frederic, Brockton, Mass. Pegging-jack attachment.....	Oct. 19, 1875	555	182	8	659
163, 482	Guild, William H., Williamsburgh, N. Y. Sur-acc-condenser.....	May 18, 1875	725	231	7	865
163, 374	Guild, Charles H., Chicago, Ill. Elevator.....	May 18, 1875	627	200	7	852
169, 184	Guilford, Rufus D., Saint Charles, Mich. Raftsman's boot-calk.....	Feb. 23, 1875	903	298	7	329
167, 339	Guilford, Rufus D., Saint Charles, Mich. Raftsman's boot-calk.....	Aug. 31, 1875	1046	325	8	379
169, 356	Gulfoyle, William, New York, N. Y. Gong for street-calls.....	Nov. 2, 1875	35	10	8	739
8, 237	Guiraud, Etienne, New York, N. Y., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet..... (Design.)	Mar. 30, 1875			7	516
8, 233	Same..... (Design.)	Mar. 30, 1875			7	516
8, 239	Same..... (Design.)	Mar. 30, 1875			7	516
8, 569	Same..... (Design.)	Sept. 7, 1875			8	403
8, 600	Same..... (Design.)	Sept. 7, 1875			8	403
8, 601	Same..... (Design.)	Sept. 7, 1875			8	403
8, 602	Same..... (Design.)	Sept. 7, 1875			8	403
8, 603	Same..... (Design.)	Sept. 7, 1875			8	403
161, 027	Guise, David P., Williamsport, Pa. Brick-kiln.....	Mar. 23, 1875	728	239	7	475
8, 207	Gulden, Jacob, New York, N. Y. Mustard-bottle..... (Design.)	Mar. 16, 1875			7	427
	Gulick, Edwin. (See Mattison, William E., assignor.)					
159, 819	Gump, Maria L. (See Gump, William E., assignor.)					
	Gump, William E., New York, assignor to Maria L. Gump, Garden City, N. Y. Printing-press.....	Feb. 16, 1875	562	187	7	274
158, 933	Gunckel, Winfield O., Terre Haute, Ind. Car-coupling.....	Jan. 19, 1875	564	177	7	116
161, 503	Gundelinger, Daniel, Jefferson City, Mo. Door-check.....	Mar. 30, 1875	1204	386	7	544
	Gunn, Abel H., et al. (See Robertson, William H., assignor.)					
161, 931	Gunn, E. William, New Woodstock, and George D. and Harrison Wells, Erieville, N. Y. Emery grinding-machine.....	Apr. 13, 1875	329	111	7	626
	Gunning, George C. (See Foley, James, assignor.)..... (Reissue.)					
162, 059	Gunshenan, Michael, New York, N. Y. Farm-gate.....	Apr. 13, 1875	419	140	7	638
166, 770	Gunter, Richard W., Carrollton, Mo. Middlings-purifier.....	Aug. 17, 1875	573	176	8	297
171, 511	Günther, Edward, New York, N. Y. Machine for tuning bungs.....	Dec. 28, 1875	849	277	8	1087
171, 512	Same..... same.....	Dec. 28, 1875	851	278	8	1087
162, 645	Günther, Gottlob, New York, N. Y. Bird-cage.....	Apr. 27, 1875	993	319	7	725
170, 847	Günther, Gottlob, New York, N. Y. Bird-cage.....	Dec. 7, 1875	171	58	8	973
161, 952	Gurnsey, Daniel, Watertown, N. Y. Milk-cooler.....	Apr. 13, 1875	330	111	7	627
171, 612	Guseman, William D., Morgantown, W. Va. Fire-place heater.....	Dec. 28, 1875	955	309	8	1102
167, 097	Gustin, Samuel N., Mexico, N. Y. Animal-poke.....	Aug. 24, 1875	899	260	8	351
169, 767	Guthrie, Alfred, Chicago, Ill. Water-meter.....	Mar. 16, 1875	496	161	7	434
171, 014	Guthrie, Warren H., Hudson City, N. J. Key for locks.....	Dec. 14, 1875	341	113	8	1003
170, 081	Gutmann, Simeon, New York, N. Y. Shirt.....	Nov. 16, 1875	733	238	8	848
170, 082	Same..... same.....	Nov. 16, 1875	734	238	8	848
163, 989	Guttridge, David C., Akron, Ohio. Iron fence.....	Nov. 16, 1875	655	208	8	836
163, 483	Guy, Henry M., assignor, by mesne assignments, to Debra C. James, Worcester, Mass. Jack-spool.....	May 18, 1875	726	231	7	866
165, 326	Guzeman, William A., assignor to George S. Tripp and Z. Estelline P. Guzeman, Washington, Iowa. Windmill.....	July 6, 1875	167	51	8	32
	Guzeman, Z. Estelline P., et al. (See Guzeman, William A., assignor.)					
165, 818	Gwathmey, Richard C., Louisville, Ky. Cyclophore.....	July 20, 1875	676	207	8	126
169, 165	Haag, Adam W., Fleetwood, Pa. Water-wheel.....	Oct. 26, 1875	830	269	8	705
165, 566	Haag, George W., assignor to self and Pembroke Churchill, Milton, Pa. Potato-digger.....	July 13, 1875	426	129	8	76
169, 539	Haanel, Eugene, Cobourg, Canada. Safety-match.....	Nov. 2, 1875	193		8	761
162, 060	Haase, John A., Philadelphia, Pa. Safety-step for cars.....	Apr. 13, 1875	420	140	7	638
	Haass, G. Hermann. (See Meitzer & Haass.)					
167, 609	Habermehl, John, Allegheny, Pa. Grate.....	Sept. 14, 1875	217	68	8	444
	Hachmeister, Charles. (See Ulrich & Hachmeister.)..... (Reissue.)					
	Hacker, John B., et al. (See Wright, Joseph C., assignor.)					
8, 049	Hacker, Joseph C., Brooklyn, N. Y. Pocket-book frame..... (Design.)	Feb. 9, 1875			7	223
160, 184	Hackett, Fletcher, and John C. Croness, Hale's Corners, Wis. Fire-escape for safes.....	Feb. 23, 1875	905	298	7	329
167, 662	Hackley, Charles E., New York, N. Y. Game-counter.....	Sept. 14, 1875	561	81	8	450
158, 840	Haddock, Oscar P., and Frank W. Pierce, Copenhagen, N. Y. Milk-cooler.....	Jan. 19, 1875	471	158	7	165
	Haddock Nail Machine and Nail Company. (See Haddock, Worcester, assignor.) (Reissue.)					
163, 651	Haddock, Worcester, Pittsburgh, Pa. Oscillating valve for steam-engines.....	May 25, 1875	896	284	7	895
164, 369	Same..... Railway-rail joint.....	June 15, 1875	516	170	7	1020
6, 433	Haddock, Worcester, assignor, by mesne assignments, to Haddock Nail Machine and Nail Company, Pittsburgh, Pa. Machine for cutting nails..... (Reissue.)	May 18, 1875	808	255	7	875
167, 610	Haddock, Worcester, assignor to self, Henry Gerding, and Thomas Jones, Pittsburgh, Pa. Linc-fastener.....	Sept. 14, 1875	218	68	8	441
170, 255	Same..... Spike-machine.....	Nov. 23, 1875	936	291	8	880
168, 250	Haden, Francis S., Chelsea, Great Britain. Coffin.....	Sept. 28, 1875	833		8	547
164, 645	Hadfield, Joseph, New York, N. Y. Valve for water-tanks.....	June 22, 1875	712	233	7	1063



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161, 117	Hadley, Benjamin H. ( <i>See</i> Goodyear & Hadley.)					
8, 497	Hadley, Dana G., Bethlehem, N. H. Lock for fire-arms	Mar. 23, 1875	815	267	7	486
	Hachuel, Frederic, and Henry Norman, New Orleans, La. Cigar-box.....(Design)	July 27, 1875			8	148
164, 830	Hachuen, Jacob. ( <i>See</i> Frost, Edward J., assignor.)					
165, 997	Haffa, Philip, Philadelphia, Pa. Iron fence	June 22, 1875	942	304	7	1085
6, 492	Haffner, John A., Pittsburgh, Pa. Mill-spindle	July 27, 1875	864	266	8	163
168, 481	Same.....Device for preventing back-lash of machinery	June 22, 1875	1007	325	7	1092
	Hagaman, Theodore W. ( <i>See</i> Croke, William H., assignor.)					
165, 567	Hagelin, Adolphus, <i>et al.</i> ( <i>See</i> Waggoner, Samuel T., assignor.)					
	Hagemann, Gustav A., Copenhagen, Denmark. Apparatus for concentrating sulphuric acid	July 13, 1875	427	129	8	76
165, 568	Same.....Method and apparatus for evaporating liquids	July 13, 1875	425	130	8	76
163, 569	Same.....Pneumatic machine	July 13, 1875	430	130	8	76
168, 636	Hagen, Augustus A., New York, N. Y. Tobacco-cutting machine	Oct. 11, 1875	320	104	8	617
	Hagennau, James J. ( <i>See</i> Durf, William F., assignor.)					
	Hager, Albert D. ( <i>See</i> Blood & Hager.)					
169, 692	Hagerty, Andrew N., West Alexander, Pa. Treadle for machinery	Nov. 9, 1875	375	117	8	791
162, 379	Hagerty, James S., Baltimore, Md. Street-car-pole coupling	Apr. 20, 1875	736	239	7	655
168, 987	Same.....Street-lamp	Oct. 19, 1875	611	212	8	671
159, 545	Hagerty, Thomas, New York, N. Y. Combined ice-pick and strainer	Feb. 9, 1875	305	98	7	253
161, 609	Hagerty, Thomas, assignor to John A. Pickersgill, New York, N. Y. Bench-plane	Apr. 6, 1875	18	7	7	571
161, 789	Same.....Planing-machine	Apr. 6, 1875	162	56	7	532
165, 671	Hagerty, Thomas, assignor to Samuel Rothschild, jr., New York, N. Y. Tool	July 20, 1875	549	165	8	107
165, 729	Same.....Combined ice-pick and cap-ener	July 20, 1875	589	181	8	114
166, 523	Hagerty, John, assignor of one-half interest to V. G. Curtis, Corry, Pa. State-frame	Aug. 10, 1875	332	101	8	251
164, 551	Haguy, Adam and Simon L., Keokuk, Iowa. Holder or fastener for halter-straps	June 15, 1875	678	220	7	1011
	Haguy, Simon L. ( <i>See</i> Haguy, Adam and Simon L.)					
	Hague, John, <i>et al.</i> ( <i>See</i> Quinn, William T., assignor.)					
	Hague, Will, <i>et al.</i> ( <i>See</i> Quinn, William T., assignor.)					
	Hahn, Ignatius. ( <i>See</i> Chalfaut & Hahn.)					
164, 679	Hahn, Ignatius, Pittsburgh, Pa. Rolling-mill	June 22, 1875	800	262	7	1007
165, 694	Same.....Machine for making hollow beams and tubes	June 29, 1875	1195	384	7	1125
				385		
165, 819	Same.....Rolling-mill	July 20, 1875	678	207	8	126
				208		
166, 985	Same.....Crane	Aug. 24, 1875	787	243	8	236
167, 090	Same.....Machine for shearing metals	Sept. 28, 1875	683	216	8	526
168, 293	Haight, David M., Oswego, Ill. Skid for oil-barrels	Oct. 5, 1875	67	24	8	571
164, 084	Haight, Edgar, <i>et al.</i> ( <i>See</i> Miller, Charles H., assignor.)					
	Haight, William H., and Thomas S. Gladding, Leavenworth, Kans. Composition for drain-pipes	June 8, 1875	340		7	975
	Hail, Nathan B., <i>et al.</i> ( <i>See</i> Kenyon, Martin R., assignor.)					
	Haley, John. ( <i>See</i> Duncan, Edward A., assignor.)					
	Hainer, Hartzell. ( <i>See</i> Lemon, Cameron & Hainer.)					
	Haines, Henry. ( <i>See</i> Cleveland, Jerome, assignor.)					
163, 066	Haines, Isaac N., Pomeroy, Pa. Railway-track closer	May 11, 1875	327	106	7	797
159, 509	Haines, John W., Cambridge, assignor of one-half interest to Charles S. Chaffee, Somerville, Mass. Door-knob	Feb. 9, 1875	273	88	7	229
	Haines, Joseph R. ( <i>See</i> Gehl, John, assignor.)					
170, 553	Haines, Lewis A., Westminster, Md. Time-lock	Nov. 30, 1875	1321	384	8	928
159, 320	Hainsworth, Frederick, assignor of one-half interest to Jonathan Hainsworth, Chicago, Ill. Hollow brick wall	Feb. 2, 1875	77	26	7	194
	Hainsworth, Jonathan. ( <i>See</i> Hainsworth, Frederick, assignor.)					
158, 702	Hainsworth, William, assignor to Pittsburgh Steel Casting Company, Pittsburgh, Pa. Shoe and die for stamping-mills	Jan. 12, 1875	326	111	7	70
169, 961	Same.....Manufacture of casting from wrought and cast iron	Oct. 26, 1875	716		8	716
164, 552	Haisb, Jacob, De Kalb, Ill. Wire fence	June 15, 1875	619	210	7	1041
167, 240	Same.....Wire-fence barb	Aug. 31, 1875	1047	325	8	359
8, 582	Hake, Philip, Hoboken, N. J. Dancing-programme	Aug. 24, 1875			8	323
	Hake, Philip. ( <i>See</i> Marston, Thomas P., assignor.)					
161, 224	Halbert, Henry J., and Francis King, Baltimore, Md. Packing-material	Mar. 23, 1875	912		7	459
169, 437	Hale, Allen. ( <i>See</i> Thornton, McDonald & Hale.)					
169, 166	Hale, Alouza, Eureka, Ill. Washing-machine	Nov. 2, 1875	707	34	8	749
170, 554	Hale, Draton S., Estillville, Va. Fire-dog	Oct. 26, 1875	831	270	8	705
	Hale, Edward, jr., Chicago, assignor, by mesne assignments, to John H. Shay and John E. Putman, Beardstown, Ill. Seat-guard for harvesters	Nov. 30, 1875	1222	384	8	928
	Hale, Henry A. ( <i>See</i> Atwood, Loring, assignor.)					
160, 185	Hale, Henry S., <i>et al.</i> ( <i>See</i> Stevens, Asher B., assignor.)					
168, 482	Hale, Henry S., Philadelphia, Pa. Bed-bottom	Feb. 23, 1875	906	298	7	329
	Same.....Tilting chair	Oct. 5, 1875	145	48	8	586
	Hale, H. S., <i>et al.</i> ( <i>See</i> Curtis, Harrison W., assignor.)					
160, 768	Hale, Joseph, Somerville, Mass. Scroll-sawing machine	Mar. 16, 1875	497	161	7	434
160, 517	Hale, Joseph N., Boston, Mass. Temporary binder	Mar. 9, 1875	249	85	7	313
	Hale, J. W., <i>et al.</i> ( <i>See</i> Curtis, Harrison W., assignor.)					
	Hale, J. Warren, <i>et al.</i> ( <i>See</i> Stevens, Asher B., assignor.)					
160, 590	Hale Manufacturing Company. ( <i>See</i> Hale, William P., assignor.)					
	Hale, Robert, Minneapolis, Minn., and James B. Johnston, Chicago, Ill. Device for bending horseshoe-bars	Mar. 9, 1875	312	105	7	402
167, 894	Hale, Robert and Robert W., Chicago, Ill. Machine for bending and swaging horseshoe-blanks	Sept. 21, 1875	486	154	8	491
	Hale, Robert W. ( <i>See</i> Hale, Robert and Robert W.)					
	Hale, Robert W. ( <i>See</i> Johnston, James B., assignor.)					
	Hale, Warren, <i>et al.</i> ( <i>See</i> Curtis, Harrison W., assignor.)					
	Same.....( <i>See</i> Stevens, Asher B., assignor.)					
168, 153	Hale, William F., Fluvanna, N. Y. Portable lever-power	Sept. 28, 1875	749	236	8	735
162, 061	Hale, William P., Port Huron, Mich. Saw-teeth	Apr. 13, 1875	421	140	7	638
160, 899	Hale, William P., Brockport, N. Y., assignor to Hale Manufacturing Company, Port Huron, Mich. Sawing-machine	Mar. 16, 1875	606	198	7	449
158, 793	Haley, George A., Chicago, Ill. Machine for cutting irregular forms	Jan. 19, 1875	423	143	7	99
	Haley, John J., <i>et al.</i> ( <i>See</i> Spencer, Albert H., assignor.)					
	Same.....( <i>See</i> Stewart, Alexander W., assignor.)					
161, 028	Haley, Thomas, Cambridge, Mass. Gas-burner	Mar. 23, 1875	723	240	7	475
	Hall, Albert E. ( <i>See</i> Hall, Alexander W. and Albert E.)					

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161, 781	Hall, Alexander W. and Albert E., Adrian, Ohio. Wringer.....	Apr. 6, 1875	163	56	7	592
171, 477	Hall, Asa, assignor to self, John G. Elliott, and Edward D. Hall, Rockford, Ill. Plow.....	Dec. 28, 1875	815	267	8	10e2
170, 363	Hall, Benjamin, et al. (See Barrett, Oswald, assignor.)					
	Hall, Charles F., Skaneateles, N. Y. Device for refitting valve-seats.....	Nov. 23, 1875	1026	392	8	893
	Hall, Edward D., et al. (See Hall, Asa, assignor.)					
171, 015	Hall, Edward K., Boston, Mass. Bonnet-fastener.....	Dec. 14, 1875	342	114	8	1063
159, 693	Hall, Edwin L., Zanesville, Ohio. Process for manufacturing tiles.....	Jan. 26, 1875	732	.....	7	147
161, 953	Hall, Eihn, Wallburgford, Conn. Wheel for vehicles.....	Apr. 13, 1875	331	111	7	627
	Hall, Fred. H., et al. (See Angus, John, assignor.)					
164, 553	Hall, Frederic H., Zanesville, Ohio. Manufacture of tiling.....	June 15, 1875	679	.....	7	1041
169, 357	Hall, George L., assignor to C. W. Hodgdon, Boston, Mass. Machine for rolling horse-shoe-nails.....	Nov. 2, 1875	36	10, 11	8	739
	Hall, George W. (See Gfeldt, Frank W., assignor.)					
167, 241	Hall, Gordon W., Havana, assignor of one-half interest to R. Nelson Gere, Syracuse, N. Y. Tinting and revolving puddling furnaces.....	Aug. 31, 1875	1047	{ 325 } { 326 }	8	379
171, 125	Hall, Gordon W., assignor of one-half interest to Albert O. Whittemore, Havana, N. Y. Balanced valve and cut-off.....	Dec. 14, 1875	448	147	8	1017
167, 450	Hall, Harry, assignor to self and Henry H. Wilson, Pontiac, Mich. Boot.....	Sept. 7, 1875	63	19	8	445
166, 098	Hall, Henry H., Tioga, Pa. Dish-washing machine.....	July 27, 1875	960	296	8	177
161, 407	Hall, Henry L., Chicago, Ill. Curtain-fixturo.....	Mar. 30, 1875	1107	358	7	531
168, 836	Same..... Husking glove and mitten.....	Oct. 19, 1875	505	165	8	632
158, 488	Hall, Henry P., Bloomington, Ill. Corn-planter.....	Jan. 5, 1875	123	41	7	26
153, 703	Hall, Herman D., Denver, Colo. Saw-mill.....	Jan. 12, 1875	327	111	7	70
6, 681	Hall, Himnan L. (See Hall, John D., assignor.)					
	Hall, James, Ligonier, Ind. Windmill..... (Reissue)	Oct. 5, 1875	225	73	8	596
161, 062	Same..... Same.....	Apr. 13, 1875	421	{ 140 } { 141 }	7	638
160, 421	Hall, James, Cincinnati, Ohio. Bakers' oven.....	Mar. 2, 1875	149	3, 53	7	370
163, 926	Hall, James M., Worcester, Mass. Making wooden mats.....	June 1, 1875	122	41	7	948
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	Hall, John, et al. (See Dick, Andrew, assignor.)					
	Same..... (See Rohrer, John B., assignor.)					
8, 498	Hall, John, Watertown, Mass. Toy bank..... (Design.)	July 27, 1875	.....	.....	8	118
159, 263	Same..... Toy money box..... (Design.)	Feb. 2, 1875	21	7	7	187
162, 747	Same..... same.....	May 4, 1875	11	4	7	748
163, 186	Hall, John, Brooklyn, N. Y. Oscillating engine.....	May 11, 1875	435	141	7	811
167, 895	Hall, John B., Saint Paul, Minn. Horse-boot.....	Sept. 21, 1875	487	154	8	491
170, 257	Hall, John D., New York, N. Y., assignor to Human L. Hall, Philadelphia, Pa. Parallel ruler.....	Nov. 23, 1875	938	293	8	880
	Hall, John H. (See La Monte & Hall.)					
170, 083	Hall, John S., San Francisco, Cal. Combined pencil sharpener and eraser.....	Nov. 16, 1875	755	239	8	848
168, 637	Hall, John S., assignor to John L. Boone, San Francisco, Cal. Short-thread sewing-machine.....	Oct. 11, 1875	320	104	8	617
162, 232	Hall, John T., Morrisonville, Ill. Tire-tightener.....	Apr. 20, 1875	596	195	7	668
161, 782	Hall, Joseph, Napahonck, N. Y. Machine for making ox-shoes.....	Apr. 6, 1875	164	56	7	593
164, 731	Hall, Joseph, Riverside, Nebr. Hay-rack.....	June 22, 1875	852	276	7	1073
8, 893	Hall, Joseph, assignor of one-half interest to Joseph M. L. Gardner, Newark, N. J. Hat and bonnet holder for trunks..... (Design.)	Nov. 23, 1875	.....	.....	8	862
165, 820	Hall, Joseph, Newark, N. J., assignor to self and John Rorbach, Genesee, N. Y. Fastening for trunks, &c.....	July 20, 1875	683	208	8	126
165, 998	Hall, Joseph E., Paxton, Ill. Earth-anger.....	July 27, 1875	865	266	8	163
164, 832	Hall, Nehemiah, assignor of two-thirds interest to Bernhard Hund, Belleville, Ill., and Horace A. Stephens, Saint Louis, Mo. Ironing apparatus.....	June 22, 1875	943	305	7	1085
161, 225	Hall, Phidello W., Saint Louis, Mo. Postage-stamp holder.....	Mar. 23, 1875	912	298	7	499
164, 833	Same..... Same.....	June 22, 1875	944	305	7	1085
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165, 571	Hall, Thomas Q., Indianapolis, Ind. Bed lounge.....	July 13, 1875	432	130	8	77
165, 570	Hall, Thomas S., and George H. Snow, West Meriden, Conn. Circuit for electric signals.....	July 13, 1875	431	130	8	76
	Hall, William G., et al. (See Stanforth, William, assignor.)					
	Hall, William H., et al. (See Ludwig, John C., assignor.)					
167, 374	Hall, William H., Tiffin, Ohio. Straw cutter.....	Aug. 31, 1875	1127	354	8	391
166, 771	Hall, William H., and Conrad S. Yingst, Tiffin, Ohio; said Yingst assignor to said Hall. Corn-sheller.....	Aug. 17, 1875	574	176	8	297
170, 848	Hall, William P., Greenville, Mich. Ironing-table.....	Dec. 7, 1875	172	59	8	973
6, 740	Hallam, Albert C., and James W. McKee, Brooklyn, N. Y., assignors, by mesne assignments, to George W. Menso, Lewiston, Me. Spring-motor..... (Reissue)	Nov. 16, 1875	817	{ 257 } { 258 }	8	257
161, 783	Hallas, James G., and William N. Weedon, assignors to Benedict & Burnham Manufacturing Company, Waterbury, Conn. Oil cup.....	Apr. 6, 1875	165	57	7	593
164, 916	Hallberg, Lars G., Chicago, Ill. Combined hot-air furnace and range.....	June 29, 1875	1042	336	7	1165
165, 165	Hallett, Hervey H., Rockland, Mass. Harness-saddle.....	July 6, 1875	18	6	8	11
164, 448	Hallett, Robert L., Brooklyn, N. Y. Faucet.....	June 15, 1875	592	192	7	1029
	Halliday, Richard. (See Isaacs & Halliday.)					
167, 524	Halliday, William P., Cairo, Ill. Method of removing calcareous deposits from the exterior of tubes in salt apparatus.....	Sept. 7, 1875	129	39	8	424
162, 915	Hallidie, Andrew S., San Francisco, Cal. Endless wire-way.....	May 4, 1875	162	53	7	768
163, 865	Same..... Endless-rope traction-way.....	June 1, 1875	26	8	7	934
	Hallock, J. A. (See Wilcox, Harlow M., assignor.)					
	Hallock, Nicholas. (See Forbes & Hallock.)					
	Halsey, Clinton S. (See Strong, Robert H., assignor.)					
160, 425	Halsey, Edward, assignor of one-half interest to Daniel C. Bailey, San José, Cal. Double reversible hinge.....	Mar. 2, 1875	150	53	7	370
	Halsey, Eliza G. (See Hinson, Edgar, assignor.)					
168, 691	Halsted, William, Trenton, N. J. Spark-arrester..... (Reissue)	Sept. 28, 1875	686	{ 216 } { 217 }	8	526
170, 729	Same..... Locomotive feed-water heater.....	Dec. 7, 1875	69	21	8	960
161, 029	Halvorson, Halvor, Cambridge, assignor to Charles A. Shaw, Boston, Mass. Lamp-wick.....	Mar. 23, 1875	729	240	7	475
161, 118	Same..... same.....	Mar. 23, 1875	816	267	7	486
168, 739	Same..... Traveler for spinning rings.....	Oct. 11, 1875	409	133	8	630
171, 613	Halvorson, Halvor, Cambridge, assignor to Joseph Boynton, Boston, Mass. Rendering fats.....	Dec. 28, 1875	956	.....	8	1102
	Hann, Charles T. (See Ray & Hann.)					
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162, 546	Hann, Henry H., jr., Portsmouth, N. H. Shutter-fastener.....	Apr. 27, 1875	909	291	7	714
164, 370	Hann, Herbert H., Boston, Mass. Convertible chair.....	June 15, 1875	517	170	7	1020
	Hann, Robert. (See Seater & Hann.)					
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160, 804	Hamblin, Gideon D., Deering, Me. Pawl-and-ratchet mechanism.	Nov. 9, 1875	489	154	8	806
159, 756	Hamblin, Stephen M. (See Hamblin, Sylvanus and Stephen M.) Hamblin, Sylvanus, and Steven M., Pawtucket, R. I., assignors of two-thirds interest to Lewis S. Judd and Alexander Winsor, Fairhaven, Mass. File-cutting machine.	Feb. 16, 1875	503	168	7	867
164, 834	Hamburg American Sewing Machine Company. (See Schmidt & Radbruck, assignors.) Hamburger, Herman, et al. (See Wilford, John B., assignor.) Hamburg Sewing Machine Manufacturing Company. (See Schmidt, Albert E., assignor.)					
164, 993 6, 500	Hamel, Felix John, London, England. Machinery for compression or consolidation of blocks of fuel or other material. Hamil & Booth. (See Coignet, Joseph, assignor.) (Design.) Hamilton, Alexander, Cresco, Iowa. Method of burning hay, straw, leaves, &c. Hamilton, Alexander, Cresco, Iowa, assignor of one-half interest to Augustus Peadle and Benjamin Huntington. Stove. (Reissue.)	June 22, 1875 June 29, 1875 June 22, 1875	945 1107 1015	306 357 328	7 7 7	1085 1113 1094
158, 936	Hamilton, Alvin C. (See McArdle, James, assignor.) Hamilton, Benjamin K., South Deerfield, Mass. Rein-holder Hamilton, Carlos S. (See Haraden, Harvey D., assignor.) Hamilton, Edward P. (See Dana, Joseph, assignor.)	Jan. 19, 1875	504	187	7	117
170, 849 167, 525 168, 013	Hamilton, Farwell H., Bloomington, Ill. Cooking-stove Hamilton, Fred C., New York, N. Y. Metallic seal Hamilton, Fred C., New York, N. Y. Device for securing and canceling revenue-stamps.	Dec. 7, 1875 Sept. 7, 1875 Sept. 21, 1875	173 129 582	59 39 187	8 8 8	974 424 506
168, 014	Hamilton, Fred C., assignor to Edward J. Brooks, New York, N. Y. Revenue-stamp for cigar-boxes.	Sept. 21, 1875	583	187	8	506
168, 483	Hamilton, Fred C., Brooklyn, assignor to Edward J. Brooks, New York, N. Y. Nut-lock.	Oct. 5, 1875	146	49	8	586
159, 920	Hamilton, Ira S., assignor of one-half interest to Benjamin N. and David W. Payne, Corning, N. Y. Gage-cock.	Feb. 16, 1875	655	217	7	287
161, 226 165, 999 159, 669	Hamilton, James B. (See Farmer & Hamilton.) Hamilton, James B., Oxford, England. String for musical instruments. Hamilton, John A., Chippewa Falls, Wis. Bias-gage Hamilton, Joseph A., assignor of one-half interest to D. K. Wenrich, Joplin City, Mo. Furnace for smelting lead-ores.	Mar. 23, 1875 July 27, 1875 Feb. 9, 1875	913 866 406	269 258 135	7 8 7	499 163 248
163, 187	Hamilton, Robert. (See Gleason & Hamilton.) Hamilton, Silas H., Bushnell, Ill., assignor of one-half interest to John Fitch, Toledo, Ohio. Railway-tie.	May 11, 1875	436	141	7	811
163, 484	Hamilton, Thomas H., assignor of one-half interest to James E. Stansbury, Baltimore, Md. Top for preserving-cans.	May 18, 1875	727	231	7	866
170, 258	Hamilton, William R., Pittsburgh, Pa. Sofa-bedstead.	Nov. 23, 1875	939	293	8	881
160, 900 160, 901 168, 988 161, 784 169, 358	Hanley, Henry. (See Rowland, James D., assignor.) Hamlin, Alonzo A., New York, N. Y. Bowling-alley Hamlin, Solomon C., Ypsilanti, Mich. Ironing-table Hammel, William, Baltimore, Md. Refrigerator and water-cooler Hammer, Thorvald F., Branford, Conn. Folding-machine Hammersley, George, Pittsburgh, Pa. Folding basket.	Mar. 16, 1875 Mar. 16, 1875 Oct. 19, 1875 Apr. 6, 1875 Nov. 2, 1875	607 608 642 166 37	198 198 212 57 11	7 7 8 7 8	449 449 671 593 739
161, 954 161, 955 161, 956 168, 740 164, 831 168, 741 159, 321 160, 094	Hammoud, Alexander H. (See White, Alexander, assignor.) Hammond, Henry, Hartford, Conn. Drop-hammer Same. Carriage-axle box. Same. Shearing-die for carriage-wheel boxes Same. Die for forging carriage-axle nuts. Hammond, Hugh, Smithfield, Ohio. Automatic gate. Hammond, Jonathan, Bellville, Ind. Drill-stock Hampe, Albert, Staunton, Ill. Plow Same. same	Apr. 13, 1875 Apr. 13, 1875 Apr. 13, 1875 Oct. 11, 1875 June 22, 1875 Oct. 11, 1875 Feb. 2, 1875 Feb. 23, 1875	332 332 333 410 943 411 78 831	111 112 112 113 305 133 26 273	7 7 7 8 8 8 7 7	627 627 627 630 1085 630 194 318
162, 380	Hampson, William A. (See Dunnivant & Hampson.)					
167, 663	Hampton, James W., Mount Pleasant, Iowa. Washing-machine.	Apr. 20, 1875	737	239 246	7	685
168, 897 163, 067 168, 464 161, 408	Hanau, Julius, and Sigmund Bendit, New York, N. Y. Pocket-book lock Hanbury, Cornelius. (See Hawker, Edwin, assignor.) Hance, Archibald, New York, N. Y. Car-ventilator Hance, William M., Dover, N. J. Hand-protecting attachment for drills. Hanchett, M. Waldo, Syracuse, N. Y. Piano-forte damper attachment Hanchett, Thacher S., Wolcottville, Conn. Breaching attachment Hance, Alfred B., et al. (See Hance, Samuel, jr., assignor.)	Sept. 14, 1875 Oct. 19, 1875 May 11, 1875 Oct. 5, 1875 Mar. 30, 1875	262 556 328 147 1107	82 182 106 49 358	8 8 8 8 7	450 659 727 566 532
162, 989 170, 555 169, 438 166, 275	Hancock, George, Providence, R. I. Sewing-machine Same. Combined burglar-alarm and door-fastener Hancock, John, Danville, Pa. Machine for tapping mains Hancock, John M., Lansing, Iowa. Self-acting blow-pipe	Oct. 19, 1875 Nov. 30, 1875 Nov. 2, 1875 Aug. 3, 1875	643 1223 107 81	212 385 34 25	8 8 8 8	672 928 749 211
163, 068	Hancock, Thomas, assignor to self and Anselm T. Nye, jr., Marietta, Ohio. Straw-cutter.	May 11, 1875	328	106 107	7	797
159, 409 170, 169 166, 696	Hancock, William S., Englewood, Ill. Broom Hand, August, Cleveland, Ohio. Billiard-table. Hand, Elkins, assignor of one-half interest to Clark D. Page, Rochester, N. Y. Burglar-alarm.	Feb. 2, 1875 Nov. 23, 1875 Aug. 17, 1875	152 859 504	51 268 154	7 8 8	265 870 287
160, 671 158, 794 166, 001 162, 646 164, 449 165, 095	Hand, Joseph B., assignor to self and Silas Lockwood, New York, N. Y. Shutter-bowcr. Hand, Samuel A., Philadelphia, Pa. Lawn-mower Handy, Russell, Manville, R. I. Art of preparing cotton for spinning Hanford, James A. S., Chicago, Ill. Non-explosive lamp collar and filler. Hankin, William, Seelyville, Pa. Saw-frame Hanks, William K., assignor to Samuel G. Reed, Wellesley, Mass. Gas-burner for heating purposes.	Aug. 9, 1875 Jan. 19, 1875 July 27, 1875 Apr. 27, 1875 June 15, 1875	380 429 897 893 593	129 429 319 319 192	7 7 8 8 7	412 99 163 725 1049
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163, 189	Hannay, Peter. (See Plant, Pascal, assignor.)	May 11, 1875	437	142	7	811
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161, 597	Hanson, Charles, Huddersfield, England. Watch-spring equalizer.....	Apr. 13, 1875	333	112	7	627
8, 852	Hanson, Francis O., Philadelphia, Pa. Gate and panel..... (Design)	Dec. 21, 1875			8	1034
8, 853	Same..... Gate..... (Design)	Dec. 21, 1875			8	1034
171, 377	Same..... Iron fence.....	Dec. 21, 1875	705	232	8	1059
168, 154	Hartsche, Emil, and Adolph Wagner, New York, N. Y. Extension table.....	Sept. 28, 1875	749	237	8	535
	Hapgood & Co. (See Lane, John, assignor.)					
	Hapgood & Co., et al. (See Lane, John, jr., assignor.)..... (Reissue.)					
163, 589	Hapgood, Jeab, Shrewsbury, Mass. Swivel-plow.....	May 25, 1875	841	{ 965 266 }	7	888
166, 868	Haptonstall, John, Adel, Iowa. File.....	Aug. 17, 1875	661	205	8	310
171, 126	Haraden, Harvey D., assignor of one-half interest to Charles S. Hamilton, Hartford, Vt. } Lifting-jack.....	Sept. 14, 1875	449	{ 147 148 }	8	1018
164, 836	Haradon, Lyman P., Clintoo, Iowa. Window-sash.....	June 22, 1875	947	307	7	1055
169, 693	Harb, Calvin D., Anderson, Ind. Smoke-house.....	Nov. 9, 1875	376	118	8	792
171, 279	Harb, Calvin D., Anderson, Ind. Provision-safe.....	Dec. 21, 1875	620	{ 292 293 }	8	1048
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167, 896	Harbaugh, Isaac A., Brighton, Iowa. Harrow.....	Sept. 21, 1875	488	154	8	491
160, 318	Harbaugh, Lord W., Muscatine, Iowa. Horse-collar.....	Mar. 2, 1875	57	20	7	357
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	Harbster, Mathan, et al. (See Griscom, William M., assignor.)					
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	Harbster, William, et al. (See Griscom, William M., assignor.)					
	Same..... (See Rippen, Adolph, assignor.)					
164, 732	Hard, Hanson, Wadsworth, Ohio. Polishing-wheel.....	June 22, 1875	852	276	7	1073
6, 436	Hard, Pulaski C., Wadsworth, Ohio. Bed-bottom..... (Reissue.)	May 18, 1875	810	256	7	876
164, 295	Hardee, Charles J., San Francisco, Cal. Lock-mortising machine.....	June 8, 1875	432	144	7	1060
	Hardee, W. H. (See Bizzell, William B., assignor.)					
	Harden, Charles E. (See Burkhardt & Harden.)					
171, 378	Hardenbrook, John J., Columbus Greve, Ohio. Heating-drum.....	Dec. 21, 1875	706	{ 232 233 }	8	1060
158, 705	Hardy, John, East Saginaw, Mich. Car-coupling.....	Jan. 12, 1875	328	112	7	70
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	Hardick, Sarah, executrix. (See Hartley & Marshall, assignors.)					
	Same..... (See Mathieson, James W., assignor.)					
170, 851	Harding, E. B., Northampton, and E. W. Higbee, Springfield, Mass. Speculum.....	Dec. 7, 1875	174	59	8	974
168, 990	Harding, Gustavus P., Paris, France. Breech-loading ordnance.....	Oct. 19, 1875	644	213	8	672
170, 850	Harding, Thomas, La Fayette, Ind. Fence.....	Dec. 7, 1875	173	59	8	974
163, 652	Harding, William W., Philadelphia, Pa. Water-motor fire-plug.....	May 25, 1875	897	284	7	895
116, 203	Same..... Combined fire-plug and automatic pump.....	Aug. 3, 1875	18	7	8	201
171, 563	Hardison, Wallace L., Saint Petersburg, Pa. Petroleum-well.....	Dec. 28, 1875	896	293	8	1074
171, 615	Same..... Same.....	Dec. 28, 1875	957	310	8	1192
171, 616	Same..... Packer for oil-wells.....	Dec. 28, 1875	955	310	8	1192
164, 835	Hardman, John H., Allegheny, Pa. Bale-tie.....	June 22, 1875	947	307	7	1055
161, 409	Hardman, John H., assignor of three-fourths interest to William W. Tyson, William H. Faulkner, and James Johnston, Allegheny, Pa. Bale-tie.....	Mar. 30, 1875	1108	359	7	532
	Hardy, Charles, Biddeford, Me. Machinery for grinding the card-teeth of carding-cylinders..... (Extension)	Feb. 4, 1875			7	363
158, 795	Hardy, Clinton R., Lexington, Ind. Clover-harvester.....	Jan. 19, 1875	430	144	7	100
	Hardy, Dexter D., et al. (See Hardy, Franklin D., assignor.)					
160, 769	Hardy, Dexter D., assignor of two-thirds interest to Charles L. Booth and John R. Stone, Delavan, Ill. Car-starter.....	Mar. 16, 1875	497	162	7	434
161, 030	Hardy, Dexter D., assignor, by mesne assignments, to self and Charles L. Booth and John R. Stone, Delavan, Ill. Car-starter.....	Mar. 23, 1875	730	240	7	475
163, 456	Hardy, Franklin D., assignor to Charles L. Booth and Dexter D. Hardy, Delavan, Ill. Car-starter.....	May 18, 1875	723	232	7	866
171, 127	Hardy, Levi, Worcester, Mass. Manufacture of cutter-stock.....	Dec. 14, 1875	420	148	8	1018
164, 957	Hardy, Pierre J., New York, N. Y. Heating-stove.....	June 1, 1875	124	41, 42	7	948
163, 988	Same..... Same.....	June 1, 1875	125	42	7	948
163, 989	Same..... Application of stones to walls of buildings.....	June 1, 1875	126	43	7	948
163, 990	Same..... Application of marble to building purposes.....	June 1, 1875	127	43	7	948
163, 991	Same..... Covering for walls of buildings.....	June 1, 1875	128	43	7	948
163, 992	Same..... Application of stone to building purposes.....	June 1, 1875	228	44, 45	7	948
163, 993	Same..... Banister.....	June 1, 1875	229	45	7	948
163, 994	Same..... Construction of columns and pilasters.....	June 1, 1875	230	45	7	948
163, 995	Same..... Construction of marble columns.....	June 1, 1875	130	46	7	948
163, 996	Same..... Hand-hill.....	June 1, 1875	131	46	7	949
160, 319	Hardy, Thomas P., New York, N. Y. Device for holding pipe-fittings.....	Mar. 2, 1875	58	21	7	357
161, 508	Harc, James, Providence, R. I. Belt-coupling.....	Mar. 30, 1875	1206	387	7	544
161, 610	Harc, James, Brooklyn, N. Y. Steam-valve.....	Apr. 6, 1875	18	7, 8	7	571
166, 962	Same..... Same.....	July 27, 1875	868	267	8	1061
166, 457	Harc, James, assignor to Josiah A. Whitman, Providence, R. I. Belt-coupling.....	Aug. 10, 1875	289	83	8	246
167, 109	Harc, Richard T., Springfield, Mass. Adjustable rest for the arm while firing guns.....	Aug. 31, 1875	988	307	8	371
169, 636	Same..... Block for holding cartridges..... (Design)	Nov. 9, 1875	315	101	8	784
8, 398	Harger, Charles G., jr., Watertown, N. Y. Game-board..... (Design)	June 15, 1875			7	1014
168, 742	Hargis, William H., Cartersville, Ga. Track-lifting lever.....	Oct. 11, 1875	441	134	8	631
170, 084	Hargrave, Thomas C., Boston, Mass. Packing-ring for car-axle boxes.....	Nov. 16, 1875	755	239	8	848
170, 364	Hargreaves, Edward E., Sarnia, Canada. Ventilating-car.....	Nov. 23, 1875	1027	332	8	893
169, 694	Harker, Samuel T., Milwaukee, Wis. Anti-freezing cock.....	Nov. 9, 1875	377	118	8	792
8, 604	Harkins, Thomas B., Bristol, Pa. Match-safe..... (Design)	Sept. 7, 1875			8	403
	Harkness, Porter. (See Richardson & Harkness.)					
161, 410	Harkness, William, Providence, R. I. Gas retort.....	Mar. 30, 1875	1109	359	7	532
164, 446	Harlan, Newton, Washington, D. C. Book-clasp.....	June 22, 1875	773	253	7	1063
168, 991	Harley, James, Lowell, Mass. Dyeing and calico-printing.....	Oct. 19, 1875	645		8	672
170, 626	Same..... Dyeing and printing textile fabrics.....	Nov. 30, 1875	1273		8	937
125, 547	Harlow, Charles F., Boston, Mass. Cloth-cutting machine.....	Apr. 27, 1875	910	{ 291 292 }	7	714
168, 155	Harlow, Joseph B., assignor of one-half interest to William A. Jackman, Portland, Me. Sofa-bed.....	Sept. 28, 1875	751	237	8	535
166, 772	Harlow, Philander, Hyde Park, Mass. Sheep-shears.....	Aug. 17, 1875	574	176	8	297
159, 547	Harlow, William C., Medford, Mass. Animal-shearing machine.....	Feb. 9, 1875	396	9	7	231
161, 681	Harman, Daniel M., Baltimore, Md. Mechanism for weaving mats.....	Apr. 6, 1875	80	28	7	580

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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168, 015	Harman, Frank M., Ottumwa, Iowa, assignor to self and John S. Harman, Tecumseh, Nebr. Fire-escape.	Sept. 21, 1875	584	188	8	506
	Harman, John S. (See Harman, Frank M., assignor)					
161, 578	Harman, Miles H., Andover, N. Y. Stove-pipe shelf.	Apr. 13, 1875	267	89	7	618
166, 458	Harmon, Ambrose J., Boston, Mass. Clothes-pounder.	Aug. 10, 1875	281	84	7	246
2, 371	Harmon, Simpson L., Batesville, Miss. Lawyer's badge (Design).	June 1, 1875			7	926
	Harmony, Lewis, et al. (See Taylor, John, assignor.)					
161, 509	Harrod, Atkinson L., Boston, Ky. Ditching plow.	Mar. 30, 1875	1206	387	7	544
160, 518	Harvey, James, assignor of one-half interest to John Seton, Brooklyn, N. Y. Skylight-bar.	Mar. 9, 1875	250	85	7	393
171, 016	Harper, Abram, and Laroy W. Cross, Edgerton, Ohio. Spring-scales.	Dec. 14, 1875	343	114	8	1003
	Harper & Son, Joseph T. (See Harper, Joseph T., assignor.)					
170, 259	Harper, Derastus, Hearne, Tex. Car-coupling.	Nov. 23, 1875	940	293	8	881
6, 493	Harper, James M., El Paso, Ill. Fly-trap (Reissue).	June 22, 1875	1007	325	7	1093
162, 916	Harper, Joseph T., assignor to Joseph T. Harper & Son, Charleston, Ill. Opera-boot.	May 4, 1875	163	53	7	768
165, 572	Harper, Joseph T., Charleston, Ill. Mode of cutting boot-irons.	July 13, 1875	432	131	8	77
	Harper, Oliver M. (See McCoy & Harper.)					
166, 987	Harper, Peter, Marshall, Tex. Car-coupling.	Aug. 24, 1875	791	244	8	337
166, 269	Harper, Thomas J., Atlanta, Ga. Sewing-machine.	Aug. 17, 1875	662	206	8	310
163, 653	Harper, William, Sencaville, Ohio. Brake for hay-wagons.	May 25, 1875	897	284	7	895
166, 986	Harper, William H., Shamburg, Pa. Torpedo for oil-wells.	Aug. 24, 1875	790	244	8	336
164, 994	Harrell, Simon L., assignor of one-half interest to Theodore H. Bryant, Chicago, Ill. Package-strap handle.	June 29, 1875	1108	357	7	1113
6, 204	Harrell, William K., Clarinda, Iowa, assignor to self and Thomas B. and De Witt C. Chamberlain. Plow (Reissue).	Dec. 14, 1875	545	178	8	1030
	Harriman, Jesse E. (See Norton, Mason S., assignor.)					
	Harrington, Abner C. (See Deland, Franklin A., assignor.)					
165, 327	Harrington, Anthony W., Bewleyville, Ky. Press.	July 6, 1875	168	51	8	32
160, 054	Harrington, Barzilla S., China, Me. Fire-kindler.	Feb. 23, 1875	758	262	7	313
159, 410	Harrington, Daniel J., Cork, Ireland, assignor to Joseph M. Laughlin, Boston, Mass. Manufacture of horseshoe-nail plates.	Feb. 2, 1875	153	51	7	205
161, 119	Harrington, David, assignor of one-half interest to Noah D. Gay, Worcester, Mass. Friction-clutch pulley.	Mar. 23, 1875	817	268	7	486
161, 958	Harrington, Dexter, Southbridge, Mass. Shoe-shave.	Apr. 13, 1875	394	112	7	627
171, 280	Harrington, Elliot P., Detroit, Mich. Car-coupling.	Dec. 21, 1875	621	203	8	1048
	Harrington, George. (See Edison, Thomas A., assignor.)					
169, 090	Harrington, George E., Salem, Mass. Portable skid.	Nov. 16, 1875	666	269	8	837
161, 063	Harrington, Jackson, Groton Bank, Conn., assignor of one-half interest to Franklin P. Renny. Screw-propeller.	Apr. 13, 1875	422	141	7	628
165, 488	Harrington, James H., Providence, R. I. Neck-tie fastener.	July 13, 1875	358	105	8	65
163, 638	Same. Button-fastening.	Oct. 11, 1875	332	104	8	617
168, 455	Harrington, John, Ryde, Isle of Wight, England. Manufacture of artificial leather.	Oct. 5, 1875	148		8	526
8, 064	Harrington, Leonard B., jr., Boston, Mass. Child's carriage (Design).	Sept. 28, 1875			8	520
168, 394	Same. same.	Oct. 5, 1875	67	24	8	574
164, 166	Harrington, Richard, Shenandoah, Pa. Iron curb for streets.	June 8, 1875	314	166	7	984
	Harrington, R. P., et al. (See Harris, Samuel, assignor.)					
159, 548	Harrington, Theodore, Southbridge, Mass. Shoe-shave.	Feb. 9, 1875	306	99	7	234
162, 065	Harrington, Thomas, assignor of one-half interest to Joseph J. Solomon and Andrew J. Loecher, Philadelphia, Pa. Anti-friction metal.	Apr. 13, 1875	424		7	639
163, 167	Harrington, Thomas H., Pittsburgh, Pa. Combined air-heater and boiler.	Oct. 26, 1875	831	270	8	705
167, 170	Harrington, Thomas H., assignor to Anthony F. Keating, Pittsburgh, Pa. Carbureter.	Aug. 31, 1875	989	307	8	371
168, 156	Harris, Alfred E., London, England. Nut-lock.	Sept. 22, 1875	752	237	8	536
168, 773	Harris, Benjamin, Marshalltown, Iowa. Mold for casting.	Aug. 17, 1875	576	177	8	297
170, 260	Harris, Charles C., assignor of one-half interest to Louis C. Huth; said Harris and Huth assignors of one-third interest to Robert A. Boyd, Washington, D. C. Convertible sofa and table.	Nov. 23, 1875	941	293	8	881
161, 785	Harris, Charles H., Cedartown, Ga. Riding-saddle.	Apr. 6, 1875	167	57	7	593
163, 769	Same. Spring-saddle.	May 25, 1875	992	314	7	907
168, 395	Harris, Elbridge, Boston, Mass. Page-indicator for books.	Oct. 5, 1875	68	24	8	574
166, 003	Harris, Elisha, Providence, R. I. Apparatus for extinguishing fires.	July 27, 1875	869	287	8	144
165, 821	Harris, Enoch M., and Michael H. O'Neal, Richmond, Va. Sad-iron.	July 20, 1875	684	209	8	126
169, 637	Harris, George W. (See Carey, Wilson W., assignor.)					
169, 637	Harris, George W., Elizabeth, N. J. Process of manufacturing illuminating and heating gas.	Nov. 9, 1875	316	101	8	784
170, 627	Harris, John, Marquette, Wis. Self-locking cultivator-tooth.	Nov. 30, 1875	1295	408	8	937
165, 573	Harris, John H., Iola, Kans. Washing-machine.	July 13, 1875	433	131	8	77
161, 510	Harris, John P., Newburgh, N. Y. Meat-cutter.	Mar. 30, 1875	1207	388	7	544
159, 820	Harris, Joseph, jr., Boston, Mass. Device for heating tires.	Feb. 16, 1875	563	187	7	214
169, 169	Harris, Joseph, Paola, Kans. Car-coupling.	Oct. 26, 1875	833	271	8	705
169, 903	Harris, Milo, Jamestown, N. Y. Lumber-drier.	Nov. 16, 1875	594	184	8	827
170, 730	Same. Condenser for stills and drying-chambers.	Dec. 7, 1875	70	22	8	90
162, 285	Harris, Noah, assignor of one-half interest to Hiram Stout, North Grove, Ind. Box for packing lamp-chimneys.	Apr. 20, 1875	642	210	7	674
168, 639	Harris, Pliny H., San Antonio, Tex. Station-indicator.	Oct. 11, 1875	322	105	8	618
164, 296	Harris, Robert S., Wilmington, Del. Horse-shoeing-stock.	June 8, 1875	431	144	7	1060
	Harris, Samuel. (See Robinson, William, jr., assignor.)					
170, 085	Harris, Samuel, assignor to self, Samuel Shepherd, and R. P. Harrington, Boston, Mass. Nail-driving machine for shoemaking.	Nov. 16, 1875	756	239	8	848
	Harris, Samuel A. (See Bugbee, Alpheus, assignor.)					
	Harris, Samuel J. (See McNary, Thomas, assignor.)					
168, 092	Harris, Theodore, and August Kindermann, Cleveland, Ohio. Cane and umbrella combined.	Sept. 28, 1875	687	217	8	527
169, 695	Harris, Thomas, assignor of one-half interest to Beach C. and Huntington Beard, Fayetteville, N. Y. Door-hanger.	Nov. 9, 1875	378	118	8	792
161, 786	Harris, William, and John M. Ayer, Chicago, Ill. Three-high roll.	Apr. 6, 1875	168	57, 58	7	593
169, 168	Harrison, Benjamin J., New York, N. Y. Infant's parlor-wagon.	Oct. 26, 1875	893	276	8	765
	Harrison, Charles. (See Van Doyer, Isaac F., assignor.)					
162, 064	Harrison, Charles H., assignor of one-half interest to William H. Harrison, Philadelphia, Pa. Furnace-grate.	Apr. 13, 1875	423	141	7	638
160, 426	Harrison, George W., Lansing, Mich. Elastic pitman-connection.	Mar. 2, 1875	151	53	7	370
169, 696	Same. Knife-head for harvesters.	Nov. 9, 1875	378	119	8	792
165, 574	Harrison, Henry L., East Saginaw, Mich. Feather-duster.	July 13, 1875	434	131	8	77
161, 411	Harrison, James, Reading, Pa. Letter-box alarm.	Mar. 30, 1875	1109	359	7	532



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Harwood, George S., <i>et al.</i> (See Dewey, John J., assignor.)					
159, 923	Same..... (See Freeman, Josiah G., assignor.)					
8, 163	Harwood, George S., Boston, Mass. Feeding mechanism for carding-machines.....	Feb. 16, 1875	657	217	7	287
	Harwood, Grove M., Troy, and Robert Wood, West Troy, N. Y. Reclining-chair. (Design).....	Feb. 23, 1875			7	302
8, 609	Harwood, Joseph A., <i>et al.</i> (See Orcutt, Charles H., assignor.)					
	Harwood, Luther W., assignor to Fuller, Warren & Co., Troy, N. Y. Cooking-range. (Design).....	Jan. 19, 1875			7	93
8, 020	Harwood, Luther W., and John C. Smith, assignors to Fuller, Warren & Co., Troy, N. Y. Cooking-stove.....	Jan. 26, 1875			7	133
	Harwood, Nahum, <i>et al.</i> (See Orcutt, Charles H., assignor.)					
168, 329	Harwood, Nahum, Leominster, Mass. Machine for notching and flanging counter-blanks for boots and shoes.....	Oct. 5, 1875	13	5	8	566
	Haseltine, John, Boston, Mass. Water-wheel..... (Extension).....	Oct. 14, 1875				(*)
163, 312	Hasenritter, Robert H., Hermann, Mo. Self-heating sad-iron.....	May 18, 1875	572	183	7	845
167, 335	Same..... Show-case.....	Aug. 31, 1875	1128	354	8	391
159, 510	Haserich, Ernest C., Maynard, assignor of one-half interest to George W. Williams, Boston, Mass. Tanning apparatus.....	Feb. 9, 1875	274	89	7	230
163, 011	Haskell, Asa G., North Andover, Mass. Life-preserving bed.....	May 11, 1875	274	88	7	791
	Haskell, Calvin, <i>et al.</i> (See Reynolds, William L., assignor.)					
6, 255	Haskins, John F., Fitchburg, Mass. Connecting-rod..... (Reissue).....	Jan. 26, 1875	880	286	7	167
170, 211	Hass, Theodore, New York, N. Y. Electrical low-water and high-pressure alarm.....	Nov. 23, 1875	941	294	8	821
171, 222	Hasselman, Lewis W., Indianapolis, Ind. Grain-separator.....	Dec. 21, 1875	568	187	8	1041
160, 904	Hastings, Glover S., Granby, assignor to self and Frank S. Johnson, Plainfield, Conn. Measuring rule.....	Mar. 16, 1875	610	199	7	450
166, 099	Hastings, Glover S., Unionville, assignor to self, Frank S. Johnson, and Willis J. Hemingway, Plainville, Conn. Combined knife and tape-line.....	July 27, 1875	961	296	8	177
166, 524	Hastings, James, Elizabethport, N. J. Planing-clamp.....	Aug. 10, 1875	333	101	8	254
	Hastings, James L., <i>et al.</i> (See Connelly, Joseph H., assignor.)					
167, 528	Hastings, Robert E., and Benjamin W. Naves, Philadelphia, Pa. Car-starter.....	Sept. 7, 1875	133	40	8	425
	Hastings, William H., <i>et al.</i> (See Connelly, Joseph H., assignor.)					
	Hasty, Robert H. (See Pinney & Hasty.)					
163, 191	Haswell, Arthur, and John C. Long, Webster City, Iowa. Tanning compound.....	May 11, 1875	443		7	812
	Haswell, Charles H., Jr. (See Haswell, Gouverneur K., assignor.)					
164, 169	Haswell, Gouverneur K., assignor to Charles H. Haswell, Jr., New York, N. Y. Oil-can.....	June 8, 1875	315	107	7	984
8, 286	Hatch, George E., East Cambridge, Mass. Glassware..... (Design).....	Apr. 27, 1875			7	701
8, 585	Hatch, George E., assignor to New England Glass Company, East Cambridge, Mass. Glass fruit-dish..... (Design).....	Aug. 31, 1875			8	364
8, 831	Hatch, George E., East Cambridge, Mass. Inkstand..... (Design).....	Dec. 7, 1875			8	945
158, 413	Hatch, George W., Fond du Lac, Wis. Spring bed-bottom.....	Jan. 5, 1875	55	19	7	17
165, 822	Hatch, George W., Lawrence, Kans. Mode of tanning leather.....	July 20, 1875	685		8	126
167, 529	Hatch, George W., P. rkan, Ohio. Fence-post.....	Sept. 7, 1875	134	40	8	425
6, 534	Hatch, James L., Rochester, N. Y. Counter-stiffener for boots and shoes..... (Reissue).....	July 6, 1875	257	76	8	43
6, 319	Hatch, Jesse W., Rochester, N. Y. Apparatus for crimping the stiffening of boots and shoes..... (Reissue).....	Mar. 9, 1875	447	148	7	421
6, 338	Same..... Heel-stiffener..... (Reissue).....	Apr. 20, 1875	412	263	7	694
160, 770	Same..... Machine for pressing leather seams.....	Mar. 16, 1875	898	162	7	434
160, 824	Hatch, Jonathan, and Guilford Smith, assignors to Smith, Winchester & Co., Windham, Conn. Vapor-drier.....	Mar. 16, 1875	546	177	7	441
	Hatch, Joseph S. (See Ridgway, Charles L., assignor.)					
162, 647	Hatch, Joseph H., Melrose, Mass., assignor of one-half interest to Joseph W. Spaulding, Richmond, Me. Ladies' paper towel.....	Apr. 27, 1875	994	319	9	725
164, 170	Hatch, Warren D., Peterborough, N. H. Spring bed-bottom.....	June 8, 1875	315	107	7	984
161, 611	Hatch, William W., and Chauncey W. Fuller, Lowell, Mich. Heating-stove.....	Apr. 6, 1875	20	8	7	571
160, 187	Hatfield, Daniel K., Pottstown, Pa. Toy automaton.....	Feb. 23, 1875	907	299	7	329
6, 360	Hatfield, George W., Dayton, Ohio. Manufacture of putty..... (Reissue).....	Mar. 30, 1875	1291		7	556
165, 823	Hatfield, James, Cincinnati, Ohio. Paper-bag machine.....	July 20, 1875	685	{ 209 210 214 245 246 247 }	8	127
166, 988	Same..... same.....	Aug. 24, 1875	792		8	337
163, 771	Hathaway, Addison, Chicopee Falls, and Frank Hathaway, Springfield, Mass. Watch-key.....	May 25, 1875	993	315	7	908
170, 950	Hathaway, Alfred, Freetown, Mass. Screw-press.....	Dec. 14, 1875	270	94	8	995
	Hathaway, Ann J., executrix. (See Hathaway, Joshua)..... (Extension).....					
	Hathaway, Frank. (See Hathaway, Addison & Frank)					
	Hathaway, Joshua, deceased, by Ann J. Hathaway, executrix, Milwaukee, Wis. Device for converting reciprocating into rotary motion..... (Extension).....	Aug. 6, 1875				(*)
166, 697	Hathaway, Samuel A., Newark, Conn, assignor of one-half interest to George H. Stedwell, New York, N. Y. Thill-coupling.....	Aug. 17, 1875	505	154	8	287
165, 730	Hattinger, Joseph J., Hyde Park, Mass. Carpet-sweeper.....	July 20, 1875	589	181	8	114
158, 489	Hattori, Frederick J., New Haven, Conn. Hinge.....	Jan. 3, 1875	124	41	7	26
	Hauback, A. G. (See Johnston & Hopkins, assignors.)					
	Hauck, Alfred B. (See Hauck, Samuel, Jr., assignor.)					
162, 817	Hauck, Charles J., Brooklyn, N. Y. Machine for raising and planishing tobacco-boxes.....	May 4, 1875	74	24	7	757
165, 229	Hauck, Samuel, Jr., assignor of two-thirds interest to Alfred B. Hauck and Charles B. Andrews, Lebanon, Pa. Vegetable-cutter.....	July 6, 1875	80	24	8	20
169, 991	Hauck, Samuel, Jr., assignor of one-half interest to Alfred B. Hauck, Lebanon, Pa. Vegetable-cutter.....	Nov. 16, 1875	667	209	8	837
	Haulenbeck, John H., <i>et al.</i> (See Bridgman, Charles F., assignor.)					
167, 530	Hanry, Francois, New York, N. Y. Bottle stopper.....	Sept. 7, 1875	134	41	8	425
161, 228	Hauschild, Gustave, Topeka, Kans. Fountain-pen.....	Mar. 23, 1875	914	299	7	499
164, 733	Hauser, Conrad, New York, N. Y. Clothes-drier.....	June 22, 1875	853	277	7	1073
164, 297	Hauser, Isidor, assignor to Louis Dryfoos, New York, N. Y. Method of ornamenting skirts, &c.....	June 8, 1875	431	144	7	1000
161, 787	Havell, George, Newark, N. J. Curry-comb.....	Apr. 6, 1875	169	58	7	593
	Haven & Co., James L. (See Fry, Henry L., assignor)..... (Design).....					
	Haven, William. (See Titus, John C., assignor.)					
170, 365	Haven, William, Clymer, N. Y. Rotary engine.....	Nov. 23, 1875	1028	322	8	894
8, 665	Haviland, Charles F., Paris, France. Handle for dinner, tea, and toilet sets..... (Design).....	Sept. 28, 1875			8	520
170, 256	Haves, Benjamin B., Morrisville, Vt. Furrow gage.....	Nov. 23, 1875	937	292	8	880
	Hawes, Loring P., <i>et al.</i> (See Clough, Theodore, assignor.)					

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	Hawes, William E. (See Porter, Hawes & Page.)					
	Hawey, Joseph, et al. (See Black, William K., assignor.)					
166, 365	Hawker, Edwin, Lee, assignor to Cornelius Hanbury, London, England. Confectionery.	Aug. 3, 1875	161	.....	8	222
168, 488	Same.....	Oct. 5, 1875	151	.....	8	586
163, 867	Hawkes, Daniel F., Timbuctoo, Cal. Flame-battery	June 1, 1875	28	9	7	934
164, 995	Hawkes, Ezra, Boston, Mass. Furnace and stove.	June 29, 1875	1109	358	7	1113
166, 870	Hawkesworth, Daniel, Digby, Canada. Spark-arrester	Aug. 17, 1875	663	206	8	310
163, 488	Hawkins, David L., Elizabeth, N. J. Dose-register	May 18, 1875	729	232	7	866
169, 992	Same..... Paper box	Nov. 16, 1875	668	219	8	837
164, 450	Hawkins, Frederick W., Ypsilanti, Mich. Rake	June 13, 1875	594	193	7	1030
159, 264	Hawkins, Homer V., Amboy, Ill. Hay loader	Feb. 2, 1875	22	7	7	187
	Hawkins, John L. (See Colvin, Oregon, assignor.)					
161, 032	Hawkins, Jehu J., San Quentin, Cal., assignor to William W. Walker and John L. Hawkins. Bed bug trap	Mar. 23, 1875	731	241	7	476
166, 607	Hawkins, Marcus E., Lansingburgh, N. Y. Brush	Aug. 16, 1875	465	125	8	265
159, 322	Hawkins, Samuel, Matamora, Ind. Washing-machine	Feb. 2, 1875	79	26	7	194
163, 192	Hawkins, Thomas L., Liberty Centre, Ohio. Game-table	May 11, 1875	444	143	7	812
159, 411	Hawkins, Westel E., and Gurdon W. Hull, Wallingford, Conn. Call-bell	Feb. 2, 1875	154	52	7	205
165, 926	Hawkins, Westel E., assignor to Simpson, Hall, Miller & Co., Wallingford, Conn. Covered dish	July 27, 1875	797	244	8	154
163, 998	Hawkins, William, and William F. Dodge, Newark, N. J. Machine for cutting printers' leads	June 1, 1875	133	47	7	949
162, 648	Hawkins, William G., assignor to A. A. Holcomb and G. M. Gates, Pavilion, Mich. Car-coupling	Apr. 27, 1875	995	319	7	725
160, 519	Hawks, Elizabeth, Troy, N. Y. Air-chamber for stoves	Mar. 9, 1875	251	86	7	393
161, 612	Same..... Summer-stove	Apr. 6, 1875	21	8	7	571
152, 706	Hawks, George E., and Edgar A. Hill, Sheboygan, Wis. Handle for children's carriages and sleighs	Jan. 12, 1875	329	112	7	70
171, 380	Hawley, Abel, Galveston, Tex. Rotary-dredger	Dec. 21, 1875	707	{ 233 } { 234 }	8	1060
171, 561	Same..... Locomotive earth-excavator	Dec. 28, 1875	898	293	8	1094
158, 707	Hawley, Frank A., and Ames Pearsall, McGregor, Iowa. Spring-seat support	Jan. 12, 1875	310	112	7	70
	Hawley, Gideon. (See Hawley, Henry Q., assignor.)					
166, 604	Hawley, Harvey W., Walton, N. Y. Water-wheel	July 27, 1875	871	268	8	164
171, 617	Hawley, Henry Q., assignor to Gideon Hawley, Albany, N. Y. Gas-stove	Dec. 28, 1875	959	311	8	1102
158, 937	Hawley, John S., Stapleton, N. Y. Vent-clearer for wash-bowls, &c	Jan. 19, 1875	565	187	7	117
164, 555	Hawley, Melville C., and William Lenoxx, Mattoon, Ill. Base-burning stove	June 15, 1875	6-6	221	7	1041
166, 535	Hawley, Samuel P., and Henry A. Mead, Cuba, N. Y. Milk-can	Aug. 10, 1875	334	101	8	254
	Haworth, George D., et al. (See Thomson & Ramsey, assignors.) (Reissue.)					
6, 818	Haworth, George D., Decatur, Ill. Corn-planter	Dec. 21, 1875	792	261	8	1071
159, 177	Same..... Check-row cord for corn-plinters	Jan. 26, 1875	807	264	7	157
160, 055	Same..... Check-rower for corn-plinters	Feb. 23, 1875	799	262	7	313
	Haworth, George W. (See Johnson, Samuel and David, assignors.)					
	Haworth, James W., et al. (See Thomson & Ramsey, assignors.) (Reissue.)					
	Haworth, Lysander L., et al. (See Thomson & Ramsey, assignors.) (Reissue.)					
160, 592	Haworth, Lysander L., London, Ohio. Seed drill and planter	Mar. 9, 1875	313	106	7	402
	Haworth, Mahlon, et al. (See Thomson & Ramsey, assignors.) (Reissue.)					
168, 743	Haws, Andrew J., Johnstown, Pa. Brick press and former	Oct. 11, 1875	412	134	8	631
6, 503	Haxton, William E., Kewanee, Ill. Furnace	June 23, 1875	1019	329	7	1094
159, 178	Same..... Steam-generator	Jan. 26, 1875	898	265	7	157
164, 734	Hay, Adam, assignor of one-half interest to Paul G. Batticher, Newark, N. J. Compound box-girder	June 22, 1875	853	277	7	1074
	Hay, Alexander. (See Mege, Robert F., assignor.)					
163, 193	Hay, Henry J., Omph Ghent, Ill. Derrick for stacking hay	May 11, 1875	444	143	7	812
100, 428	Hay, Lamar T., Xenia, Ohio. Car-brake	Mar. 2, 1875	153	54	7	370
	Hay, Robert. (See Osborn & Hay.)					
159, 412	Hayden, Charles M., Hanover, Mass. Jig saw	Feb. 2, 1875	154	52	7	206
166, 276	Hayden, Daniel W., Providence, R. I. Stopping mechanism for drawing-frames	Aug. 3, 1875	82	26	8	211
169, 262	Hayden, George, Newark, N. J. Ratchet-drill	Oct. 26, 1875	917	297	8	717
167, 665	Hayden, Henry F., Washington, D. C. Furnace-door casing	Sept. 14, 1875	265	83	8	450
168, 899	Same..... Furnace for locomotives	Oct. 19, 1875	558	{ 182 } { 183 }	8	660
8, 277	Hayden, Nehemiah, Essex, Conn. Coffin-screw	Apr. 20, 1875	.....	.....	7	651
	Hayden, Thomas S., et al. (See Jackson, David, assignor.)					
	Hayden, Walter M. (See Gould & Hayden)					
161, 879	Hayden, William B., Columbus, Ohio. Railway-car heater	Apr. 13, 1875	268	90	7	618
	Hayes, Amos P. (See Horton & Hayes.)					
171, 565	Hayes, David, Chicago, Ill. Fire-place	Dec. 28, 1875	898	294	8	1094
170, 852	Hayes, George, New York, N. Y. Ventilating-louver	Dec. 7, 1875	175	60	8	974
162, 917	Hayes, Isaac R., and John Somerset, Manchester, Great Britain. Umbrella	May 4, 1875	163	53	7	768
164, 996	Hayes, Ivory, Philadelphia, Pa. Breamer for painters' use	June 29, 1875	1110	358	7	1113
	Hayes, James P. (See Pickles, James C., assignor.) (Reissue.)					
171, 611	Hayes, John J., Green Point, N. Y. Photographic head-rest stand	Dec. 28, 1875	957	310	8	1102
167, 171	Hayes, John P., Philadelphia, Pa. Apparatus for melting solder	Aug. 31, 1875	991	308	8	371
169, 439	Same..... Paint-bremer	Nov. 2, 1875	108	34	8	750
165, 210	Hayes, Miles T., Burlington, Wis. Trace-buckle	July 6, 1875	81	24	8	20
163, 194	Hayner, George, assignor to self and Eddy, Corse & Co., Troy, N. Y. Reservoir cook- ing-stove	May 11, 1875	445	{ 143 } { 144 }	7	812
160, 672	Haynes, Charles B., Worcester, Mass. Shutter and blind fastener	Mar. 9, 1875	381	129	7	412
100, 266	Haynes, Cornelius E., Boston, Mass., assignor to Charles W. Sabin and Augustus Page, Boston, Mass. Harness-snap	Mar. 2, 1875	10	5	7	350
166, 459	Haynes, Cornelius E., assignor to Augustus Page, Boston, Mass. Wringer	Aug. 10, 1875	282	81	8	246
168, 330	Haynes, Warren H., North Sudbury, Mass. Mechanism for unloading hay	Oct. 5, 1875	14	5	8	266
158, 490	Hays, Asahel T., McLean County, Ill. Horse hay-rake	Jan. 5, 1875	125	42	7	506
	Hays, David, et al. (See Griswold, Lev, assignor.)					
	Hays, George L. (See Gardner & Hays)					
170, 366	Hays, Joseph S., assignor to J. S. Hays and Daniel W. Dorsey, Annapolis, Md. Ironing-table	Nov. 23, 1875	1028	323	8	894
	Hays, J. S., et al. (See Hays, Joseph S., assignor.)					
	Hayl, Henry C., et al. (See Reed, William H., assignor.)					
164, 556	Hayton, Rob. C., and Charles A. Hurlburt, Ypsilanti, Mich. Saw-buck	June 15, 1875	681	221	7	1041
165, 096	Hayward, David S., New York, N. Y. Glove-stretcher	June 29, 1875	1199	385	7	1126
160, 520	Hayward, John H., New York, N. Y. Safety-tank for oil	Mar. 9, 1875	251	86	7	393
	Hayward, Joseph. (See Teachout, Albert P., assignor.)					
	Hayward, Thomas J., et al. (See Davis, John C., assignor.)					



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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171, 223	Hazard, Oliver S., Coventry, R. I. Water-wheel and gate	Dec. 21, 1875	569	187	8	1041
169, 699	Hazelton, Dwight W., Philadelphia, Pa. Tube for railings, posts, &c.	Nov. 9, 1875	381	120	8	792
163, 390	Hazelton, Simon A., Bethany, N. Y. Grain-tally	May 25, 1875	842	266	8	778
166, 905	Hazzard, William H., Easton, Pa. Wall-paper exhibitor	July 27, 1875	871	268	8	164
162, 257	Heaberlin, Z. M. P. (See Oothoudt, Heaberlin & Sweet.)					
158, 637	Head, Merrick A., Carthage, Ill. Neck-tie holder	Apr. 20, 1875	643	210	7	671
160, 593	Head, Thomas, Lowell, Mass. Foot-rest for chairs	Jan. 12, 1875	268	90	7	62
162, 818	Head, Thomas, Copetown, Canada. Potato-digging machine	Mar. 9, 1875	314	160	7	492
8, 197	Heald, Alfred, assignor to Hugh McCallum, Orlando Crease, Andrew J. Sloan, and William McCallum, Philadelphia, Pa. Carpet (Case Y. Design)	May 4, 1875	75		7	757
8, 198	Same (Case Z. Design)	Mar. 9, 1875			7	387
8, 208	Same (Case A. Design)	Mar. 9, 1875			7	387
8, 564	Heald, Alfred, Philadelphia, Pa. Carpet (Case B. Design)	Mar. 16, 1875			7	427
8, 565	Same (Case C. Design)	Aug. 17, 1875			8	281
8, 566	Same (Case D. Design)	Aug. 17, 1875			8	281
8, 566	Heald, Alfred, assignor to Hugh McCallum, Orlando Crease, Andrew J. Sloan, and William McCallum, Philadelphia, Pa. Carpet (Case E. Design)	Aug. 17, 1875			8	281
8, 566	Same (Case F. Design)	Aug. 31, 1875			8	364
8, 566	Same (Case G. Design)	Aug. 31, 1875			8	364
8, 566	Same (Case H. Design)	Aug. 31, 1875			8	364
158, 938	Heald, George W., assignor to self and William F. Morris, Baldwinville, N. Y. Oscillating engine	Aug. 31, 1875			8	364
162, 918	Heald, Joseph, Chorley, England. End-gate for vehicles	Aug. 31, 1875			8	364
159, 924	Heale, Henry W., and Emilius D. Gowen, Holloway, England. Cock or valve	Aug. 31, 1875			8	364
164, 997	Healy, Patrick J., et al. (See White, Hiram W., assignor.)	Feb. 16, 1875	658	218	7	287
164, 557	Hearle, Charles C. (See Murphy & Hearle.)					
161, 333	Hearn, Jacob H., Marshalltown, Iowa. Brick and soap press	June 29, 1875	1111	358	7	1114
170, 474	Hearn, William G., Dyer's Station, Tenn., assignor of two-thirds interest to James L. Bery and M. Hutcheson. Whiffletree	June 15, 1875	682	221	7	1042
163, 928	Hearson, Frederick L., and Jacob H. Moseley, Brooklyn, N. Y. Apparatus for forming dental plates	Mar. 23, 1875	732	241	7	476
165, 672	Hearst, Alexander, Peoria, Ill. Corn planter	Nov. 30, 1875	1148	362	8	918
162, 252	Heath, Edwin S., North Hope, Pa. Clothes-drier	June 1, 1875	76	25	7	541
164, 298	Same Ironing-table	July 20, 1875	540	165	8	107
164, 298	Same Wash-board	Sept. 28, 1875	835	266	8	547
162, 106	Heath, George, assignor of one-half interest to Albert Prondfoot, Seneca Falls, N. Y. Process for coating the interior of casks	June 8, 1875	435		7	1000
159, 925	Heath, Henry. (See Stokes, William, assignor.)					
159, 926	Heath, James W. (See Cook & Heath.)					
160, 056	Heath, John, et al. (See McConway, William, assignor.)					
168, 016	Heath, John M. (See Allen, David, assignor.)					
168, 331	Heath, Laban, Boston, assignor of one-fourth interest to James Hill, Stoughton, Mass. Shoe	Apr. 20, 1875	536	176	7	660
168, 994	Heath, Robert F. S., Philadelphia, Pa. Canopy-frame	Feb. 16, 1875	659	212	7	588
163, 381	Heath, Robert F. S., Camden, N. J. Binding and writing hat-frames	Feb. 16, 1875	660	218	7	288
163, 381	Heath, William H., et al. (See Bryerman, Bayard A., assignor.)					
163, 381	Heaton, David, Providence, R. I. Setting instrument for attaching buttons, &c.	Feb. 23, 1875	799	263	7	314
163, 381	Same Setting instrument for attaching buttons to wearing-apparel	Sept. 21, 1875	585	188	8	506
163, 381	Same Metallic fastener for attaching buttons to wearing-apparel	Oct. 5, 1875	14	5	8	566
163, 381	Same Setting instrument for attaching buttons, studs, &c.	Oct. 19, 1875	648	214	8	672
163, 489	Heaton, George S., Portsmouth, N. H. Machine for making box-toes for boots and shoes	Apr. 20, 1875	738	240	7	685
171, 017	Heaton, Horace L., Lily Chapel, assignor of one-half interest to Benjamin F. Roberts, West Jefferson, Ohio. Nut-lock	May 18, 1875	730	233	7	866
161, 229	Heaton, Nathan C., assignor to Ward B. Snyder, New York, N. Y. Upright tubular boiler	Dec. 14, 1875	343	114	8	1003
160, 594	Hebard, Albert K., Cambridge, Mass. Piano-forte action	Mar. 23, 1875	915	300	7	499
166, 366	Hebdon, William, Boston, Mass. Cloth-pressing machine	Mar. 9, 1875	315	107	7	403
168, 017	Same Cloth-testing machine	Aug. 3, 1875	162	50	8	222
6, 437	Same Cloth-press	Sept. 21, 1875	587	188	8	506
165, 576	Hebdon, William, Boston, Mass., assignor to self and Daniel Potter. Rotary cloth-measure (Reissue)	May 18, 1875	811	256	7	876
162, 472	Hebdon, William, Boston, assignor to self and A. Y. Convers, Taunton, Mass. Cloth steaming and smoothing and drying	July 13, 1875	435	132	8	77
8, 307	Hecht, Ansel, New York, N. Y. Crumpling-machine	Apr. 27, 1875	846	272	7	707
159, 821	Hecht, Bernard, New York, N. Y. Paw (Design)	May 4, 1875			7	742
170, 367	Hedge, Frederick B., Greenport, N. Y. Garden-rake	Feb. 16, 1875	564	187	7	275
160, 595	Hedges, Isaac A., Saint Louis, Mo. Mill	Nov. 23, 1875	1029	323	8	894
160, 905	Hedman, Erie, et al. (See Tinmerholm, Charles J., assignor.)					
6, 614	Heebner, Jesiah D., Norritonville, Pa. Governor for horse-power	Mar. 9, 1875	317	107	7	403
167, 531	Heergeist, Charles, assignor to Crane, Breed & Co., Cincinnati, Ohio. Carriage-top	Mar. 16, 1875	611	199	7	450
167, 100	Heermance, Charles W. and Louisa H., New York, N. Y. Strainer and funnel combined (Reissue)	Aug. 24, 1875	958	298	8	360
152, 549	Heermance, Louisa H. (See Heermance, Charles W. and Louisa H.) (Reissue)					
166, 775	Heffley, William H., Rochester, Ind., assignor, by mesne assignments, to Williams, White & Co., Moline, Ill. Machine for turning axles (Reissue)	Aug. 24, 1875	958	299	8	360
169, 263	Hege, Constantine A., Salem, N. C. Plow	Apr. 27, 1875	912	292	7	715
170, 368	Heger, John F., Saint Louis, Mo. Top for vehicles	Aug. 17, 1875	577	177	8	298
170, 368	Hehr, John G., assignor of one-half interest to John G. Billing, South Bend, Ind. Automatic lamp-extinguisher	Oct. 26, 1875	917	297	8	717
170, 368	Heide, Henry, and Charles Wirtz, New York, N. Y. Preserve composition for macaroons	Nov. 23, 1875	1030		8	894
167, 242	Heiges, Jacob D., York, Pa. Vulcanizing apparatus	Dec. 7, 1875	72	22	8	960
168, 018	Heikel, Otto, Jersey City, N. J. Automatic telegraph-apparatus	Aug. 31, 1875	1048	328	8	380
167, 531	Same Magneto-electric machine	Sept. 21, 1875	589	183	8	506
167, 100	Heilman, Jacob, jr. (See Heilman, Philipp and Jacob, jr.)					
165, 328	Heilmann, Philipp and Jacob, jr., Tiffin, Ohio. Dumping-wagon	Sept. 7, 1875	135	41	8	425
166, 100	Heinbach, George W., Allentown, Pa. Window-screen	Aug. 24, 1875	901	281	8	352
166, 100	Hein, Ferdinand. (See Isidor & Hein.)					
166, 100	Hein, Ferdinand, New York, N. Y., assignor to Samuel S. White, Philadelphia, Pa. Dental vulcanizing apparatus (Design)	July 6, 1875	169	51	8	32
159, 413	Heine, August. (See Huntley, Holcomb & Heine.)					
159, 413	Heineman, Samuel, Baltimore, Md. Cigar-box	July 27, 1875	962	296	8	177
159, 413	Heineman, Asa. (See Aub, Philip D., assignor.)					
159, 413	Heinicke, Herrmann, assignor to E. W. Roff, Newark, N. J. Saw-set	Feb. 2, 1875	155	52	7	206

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163, 634 8, 073	Heinig, Frederick E., Louisville, Ky. Dinner-bucket.....	May 25, 1875	898	285	7	895
8, 074	Heinigke, Otto, New Utrecht, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet.....	(Design.) Feb. 23, 1875			7	302
8, 075	Same.....	(Design.) Feb. 23, 1875			7	302
8, 076	Same.....	(Design.) Feb. 23, 1875			7	302
8, 077	Same.....	(Design.) Feb. 23, 1875			7	302
8, 078	Same.....	(Design.) Feb. 23, 1875			7	302
8, 079	Same.....	(Design.) Feb. 23, 1875			7	302
8, 080	Same.....	(Design.) Feb. 23, 1875			7	302
8, 081	Same.....	(Design.) Feb. 23, 1875			7	302
8, 082	Same.....	(Design.) Feb. 23, 1875			7	302
8, 083	Same.....	(Design.) Feb. 23, 1875			7	302
8, 084	Same.....	(Design.) Feb. 23, 1875			7	302
8, 085	Same.....	(Design.) Feb. 23, 1875			7	302
8, 086	Same.....	(Design.) Feb. 23, 1875			7	302
8, 087	Same.....	(Design.) Feb. 23, 1875			7	302
8, 088	Same.....	(Design.) Feb. 23, 1875			7	302
8, 089	Same.....	(Design.) Feb. 23, 1875			7	302
8, 090	Same.....	(Design.) Feb. 23, 1875			7	302
8, 091	Same.....	(Design.) Feb. 23, 1875			7	302
8, 092	Same.....	(Design.) Feb. 23, 1875			7	302
8, 093	Same.....	(Design.) Feb. 23, 1875			7	302
8, 094	Same.....	(Design.) Feb. 23, 1875			7	302
8, 095	Same.....	(Design.) Feb. 23, 1875			7	302
8, 096	Same.....	(Design.) Feb. 23, 1875			7	302
8, 097	Same.....	(Design.) Feb. 23, 1875			7	302
8, 098	Same.....	(Design.) Feb. 23, 1875			7	302
8, 099	Same.....	(Design.) Feb. 23, 1875			7	302
8, 100	Same.....	(Design.) Feb. 23, 1875			7	302
8, 101	Same.....	(Design.) Feb. 23, 1875			7	302
8, 102	Same.....	(Design.) Feb. 23, 1875			7	302
8, 103	Same.....	(Design.) Feb. 23, 1875			7	302
8, 104	Same.....	(Design.) Feb. 23, 1875			7	302
8, 105	Same.....	(Design.) Feb. 23, 1875			7	302
8, 106	Same.....	(Design.) Feb. 23, 1875			7	302
8, 499	Same.....	(Design.) July 27, 1875			8	148
8, 500	Same.....	(Design.) July 27, 1875			8	148
8, 501	Same.....	(Design.) July 27, 1875			8	148
8, 502	Same.....	(Design.) July 27, 1875			8	148
8, 503	Same.....	(Design.) July 27, 1875			8	148
8, 504	Same.....	(Design.) July 27, 1875			8	148
8, 505	Same.....	(Design.) July 27, 1875			8	148
8, 506	Same.....	(Design.) July 27, 1875			8	148
8, 507	Same.....	(Design.) July 27, 1875			8	148
8, 508	Same.....	(Design.) July 27, 1875			8	148
8, 509	Same.....	(Design.) July 27, 1875			8	148
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8, 511	Same.....	(Design.) July 27, 1875			8	148
8, 512	Same.....	(Design.) July 27, 1875			8	148
8, 513	Same.....	(Design.) July 27, 1875			8	148
8, 514	Same.....	(Design.) July 27, 1875			8	148
8, 515	Same.....	(Design.) July 27, 1875			8	148
8, 516	Same.....	(Design.) July 27, 1875			8	148
8, 517	Same.....	(Design.) July 27, 1875			8	148
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8, 519	Same.....	(Design.) July 27, 1875			8	148
8, 520	Same.....	(Design.) July 27, 1875			8	148
8, 521	Same.....	(Design.) July 27, 1875			8	148
8, 522	Same.....	(Design.) July 27, 1875			8	148
8, 523	Same.....	(Design.) July 27, 1875			8	148
8, 677	Same.....	(Design.) Oct. 5, 1875			8	560
8, 678	Same.....	(Design.) Oct. 5, 1875			8	560
8, 679	Same.....	(Design.) Oct. 5, 1875			8	560
6, 722	Heinz, Pierce & Munschaer. (See Seyfang, George, assignor.)					
161, 880	Heiser, Francis C., Brooklyn, N. Y., assignor to James M. Hopkins, Louisville, Ky. Measuring-facet.....	Nov. 2, 1875	276	89	8	771
162, 919	Heister, Charles, and John M. Deremer, Williamsport, Pa. Ice-cutting machine.....	May 4, 1875	164	54	7	769
	Heister, Tobias S. (See Vedder & Heister).....	(Design.)				
	Same..... (See Vedder & Heister, assignors).....	(Design.)				
	Same..... (See Vedder, Heister & Ritchie).....	(Design.)				
	Same..... (See Vedder, Ritchie & Heister).....	(Design.)				
	Same..... (See Wells, Vedder & Heister).....	(Design.)				
170, 557	Helding, Michael, et al. (See Rieder, Albert, assignor.)					
161, 880	Held, Frederick E., Chicago, Ill. Billiard-table.....	Nov. 30, 1875	1225	385	8	929
164, 451	Held, Frederick E., and Moses Bensinger, Chicago, Ill. Billiard-cushion.....	Apr. 13, 1875	269	90	7	619
	Hellen, William F., assignor to self and Charles McCann, Baltimore, Md. Liquor tester, filterer, and emptier combined.....	June 15, 1875	594	191	7	1020
165, 577	Hellenberg, Adolph, New York, N. Y. Neck-tie.....	July 13, 1875	436	132	8	77
164, 680	Heller, Charles. Boot and shoe crimping.....	June 22, 1875	801	262	7	1037
171, 128	Heller, Isidor, New York, N. Y. Brush-holder.....	Dec. 14, 1875	451	148	8	1018
	Hellins, William. (See Tisdale, William S., assignor.)					
165, 927	Helm, Henry J., Allegheny, Pa. Roll for rolling round and iron bars.....	July 27, 1875	798	245	8	155
164, 682	Helm, John H., Allegheny, Pa. Machine for forming links.....	June 22, 1875	803	263	7	1067
	Helme, Charles A. (See Schroyer, Joseph J., assignor.)					
165, 673	Helme, William, Philadelphia, Pa. Water-meter.....	July 20, 1875	541	165	8	107
168, 641	Helmer, James L., Rome, N. Y. Water-wheel.....	Oct. 1, 1875	324	105	8	6 8
168, 093	Hembold, Horace T., Philadelphia, Pa. Water-brush.....	Sept. 28, 1875	688	217	8	527
160, 016	Hemingray, Robert, Covington, Ky. Paper-perforating machine.....	Feb. 23, 1875	761	253	7	309
	Hemingway, Willis J., et al. (See Hastings, Glover S., assignor.)					
158, 708	Hemje, Charles, New York, N. Y. Center-board vessel.....	Jan. 12, 1875	330	112	7	70
	Hemler, Michael. (See Walton & Hemler)					
171, 281	Hemmrich, Thomas F., assignor to self and Elias Fritz, sr., Reading, Pa. Hot-air furnace.....	Dec. 21, 1875	632	204	8	1048
159, 573	Hempel, Herman, Syracuse, N. Y. Miter-box.....	Feb. 9, 1875	323	106	7	536

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171, 018	Hempstead, Beall, Little Rock, Ark. Life-preserver.....	Dec. 14, 1875	343	114	8	1003
165, 824	Hoeckler, William, and Heinrich A. Troegler, Kirkwood, Mo. Egg-tester.....	July 20, 1875	687	219	8	142
6, 336	Henderson, Andrew A., Brooklyn, N. Y., assignor, by mesne assignments, to Walter A. Wood, and Walter A. Wood Mowing and Reaping Machine Company, Hoosick Falls, N. Y. Harvester-rake..... (Reissue.)	Mar. 16, 1875	689	226 } 227 }	7	167
168, 489	Henderson, Cyrus, Westmoreland County, Pennsylvania. Nut-lock.....	Oct. 5, 1875	152	50	8	586
158, 374	Henderson, James T., Woodbury, Tenn. Combined revolving and drag harrow.....	Jan. 5, 1875	20	7	7	11
161, 882	Henderson, James T., Woodbury, Tenn. Cultivator.....	Apr. 13, 1875	270	90, 91	7	619
159, 179	Henderson, John C., San Francisco, Cal. Gas-machine.....	Jan. 26, 1875	809	263	7	157
164, 158	Henderson, John C., assignor to Carbureted Gas Machine Company, San Francisco, Cal. Carbureter.....	June 15, 1875	682	222	7	1042
161, 881	Henderson, John G., Keokuk, Iowa. Bucket for chain-pumps.....	Apr. 13, 1875	270	96	7	619
159, 511	Henderson, William M., Philadelphia, Pa. Hydraulic car-brake.....	Feb. 9, 1875	275	89	7	230
159, 512	Same..... Steam and air brake.....	Feb. 9, 1875	277	89	7	230
165, 415	Same..... Hose-coupling.....	July 13, 1875	224	84	8	54
168, 646	Hendig, Daniel, Napa City, Cal. Gang-plow.....	Oct. 11, 1875	328	107	8	618
161, 034	Hendrick, Henry H., et al. (See Nugent, Richard C., assignor.)					
160, 771	Hendrick, William, Modesto, Cal. Wagon-brake block.....	Mar. 23, 1875	733	241	7	176
168, 642	Hendricks, J. Moore, assignor to Philadelphia Disintegrating Mill and Manufacturing Company, Philadelphia, Pa. Disintegrating-mill.....	Mar. 16, 1875	499	162	7	435
	Same..... same..... (Reissue.)	Oct. 11, 1875	325	105	8	618
	Hendrickson, Stephen C., et al. (See Pope, Frank L., assignor.)					
	Hendrie, Charles F. (See Bothoff, Henry, assignor.)					
	Hendrix, Davis R. (See Teahl, John H., assignor.)					
165, 097	Hendry, John C., Boston, Mass. Vehicle-hub.....	June 29, 1875	1200	386	7	1126
	Hendryx & Bartholomew. (See Hendryx, Andrew B., assignor.)					
161, 788	Hendryx, Andrew B., assignor to Hendryx & Bartholomew, Ausonia, Conn. Bird-cage.....	Apr. 6, 1875	169	58	7	593
163, 772	Hendryx, Andrew B., assignor to Hendryx & Bartholomew, Ausonia, Conn. Mat for bird-cages.....	May 25, 1875	994	315	7	908
	Hendryx, James I. (See Crook, Charles, assignor.)..... (Reissue.)					
	Henion, George J., administrator. (See Henion, John B.)					
161, 960	Henion, John B., deceased, by George J. Henion, administrator, and assignor to George J. Henion and Monroe M. Cady, Dubuque, Iowa. Bed-bottom.....	Apr. 13, 1875	336	113	7	627
166, 989	Henis, Charles F., Philadelphia, Pa. Pipe-coupling.....	Aug. 24, 1875	798	247	8	337
168, 359	Henkel, George H., and William C. Ward, Middletown, Ohio. Pruning implement.....	Nov. 2, 1875	37	11	8	74
166, 101	Hinkel, William H., Morton, Ind. Dumping-wagon.....	July 27, 1875	962	296	8	177
170, 853	Henkels, George J., Philadelphia, Pa. Seta-beistead.....	Dec. 7, 1875	176	60	8	974
163, 490	Henkle, Enos M., Springfield, Ill. Machine for boring hubs.....	May 18, 1875	730	233	7	866
163, 375	Henkle, Leonard, Rochester, N. Y. Wooden roof.....	May 18, 1875	628	201	7	852
169, 638	Henley, Henry W., New York, N. Y. Machine for mitering printer's leads and rules.....	Nov. 9, 1875	318	101	8	784
167, 243	Hennaman, William E., Baltimore, Md. Cigar-machine.....	Aug. 31, 1875	1050	326 } 327 }	8	380
166, 102	Hennaman, William H., and William F. Shaw, jr., Baltimore, Md. Boiling-pot.....	July 27, 1875	963	297	8	177
170, 558	Hennessy, Patrick B., Hamilton, Canada. Time-lock.....	Nov. 30, 1875	1225	366	8	929
	Hening, Benjamin S., et al. (See Dewitt, James, assignor.)					
169, 639	Hening, George C., Washington, D. C. Cartridge-belt.....	Nov. 9, 1875	319	102	8	784
164, 681	Henrich, John, Buffalo, N. Y. Street-lamp.....	June 22, 1875	802	263	7	1067
160, 429	Henry, Frank, Philadelphia, Pa. Hand hem-folder.....	Mar. 2, 1875	154	54	7	370
163, 491	Same..... Sewing-machine attachment.....	May 18, 1875	731	233	7	866
104, 559	Henry, George, Lennoxville, Canada. Feed-water regulator.....	June 15, 1875	684	222	7	1042
165, 928	Same..... same.....	July 27, 1875	799	245	8	155
	Henry, Greenburg E. (See Foote & Henry.)					
	Henry, Jacob. (See Sandford, Oliver P., assignor.)					
158, 939	Henry, John J., Baltimore, Md. Device for forming shoe-sole tips.....	Jan. 19, 1875	566	188	7	117
162, 920	Henry, Levi J., San Francisco, Cal. Ventilating, purifying, and cooling the atmosphere of mines.....	May 4, 1875	165	54	7	769
160, 188	Henry, Samuel B., Farmwell, Va. Horseshoe.....	Feb. 23, 1875	968	299	7	329
160, 521	Henry, Victor, Cedar Rapids, Iowa. Sun-protector for car-horses.....	Mar. 9, 1875	233	86	7	393
	Henshaw, George W. (See Walker, Robert, assignor.)					
	Henslee, Adam C. (See Petree & Henslee.)					
164, 085	Henson, William A., assignor of one-half interest to James P. Snoddy, Dyer's Station, Tenn. Hame.....	June 8, 1875	241	83	7	975
8, 269	Henszey, Alexander J. D., Ashland, N. J. Pipe..... (Design.)	Apr. 13, 1875			7	610
161, 682	Hentschel, Emil, et al. (See Multer & Hentschel.)					
162, 473	Hepburn, Lewis L., Ithaca, N. Y. Cartridge-loading implement.....	Apr. 6, 1875	80	28	7	580
159, 574	Same..... Gun-lock.....	Apr. 27, 1875	848	272	7	707
160, 522	Hepp, Valentine, Chicago, Ill. Sand-papery machine.....	Feb. 9, 1875	324	106	7	237
158, 796	Hepworth, Samuel S., New York, N. Y. Driving-gear for shafting.....	Mar. 9, 1875	253	86	7	393
	Herald, John, and Edward S. Rumsey, Binghamton, N. Y. Door-hanger.....	Jan. 19, 1875	431	144	7	100
	Herchelrode, Christian. (See Hill, John W., assignor.)					
	Herchelrode, Henry C. (See Aldrich, Wales, assignor.)					
	Hercelrath, Henry. (See Ilackert, Siegfried L., assignor.)					
167, 172	Hercford, John B. (See Varney, John W., assignor.)					
163, 773	Herget, John, Saint Louis, Mo. Sheet-metal can.....	Aug. 31, 1875	991	308	8	371
	Hernance, Charles W., deceased, by Lydia W. Hernance and J. D. Mott, administrators, Moses Kill, N. Y. Reciprocating steam-engine.....	May 25, 1875	994	315	7	908
171, 129	Hernance, Lydia W., administratrix. (See Hernance, Charles W.)					
164, 735	Hernance, Martin, Brooklyn, N. Y. Tack-extractor.....	Dec. 14, 1875	452	148	8	1018
166, 367	Hernance, Richard M., Half Moon, assignor of one-half interest to Andrew B. Fales, Troy, N. Y. Reservoir cooking-stove.....	June 22, 1875	854	277	7	1074
168, 490	Hermann, August, and Warren H. Taylor, Stamford, Conn. Anode for electroplating with nickel.....	Oct. 5, 1875	164	50	8	223
161, 230	Herr, David W., and Paul Richards, Minneapolis, Minn. Wagon-seat.....	Mar. 23, 1875	152	50	8	587
	Herrdon, George P., Tupelo, Miss. Churn.....	Aug. 3, 1875	917	300	7	500
163, 774	Herr, Abraham H., et al. (See Reynolds, Ransom S., assignor.)..... (Reissue.)					
170, 559	Herr, Henry S., Indianapolis, Ind. Addressing-machine.....	May 25, 1875	995	316	7	908
166, 368	Herr, Simon, Bluffton, Ohio. Pad-saddle.....	Nov. 30, 1875	1227	386	8	929
165, 731	Herrick, Charles F., Independence, Iowa. Reversible latch for cupboards, &c.....	Aug. 3, 1875	164	50	8	223
	Herrick, George, assignor of one-half interest to Frank A. Blood and Herberson Corning, Kilbourn City, Wis. Process for manufacturing leather.....	July 20, 1875	591		8	114
6, 723	Herrick, George W., assignor to Detroit Stove Works, Detroit, Mich. Stove..... (Reissue.)	Nov. 2, 1875	277	90	8	771
159, 670	Same..... Heating-stoves.....	Feb. 9, 1875	407	135	7	248
160, 906	Same..... Fire-back for stove.....	Mar. 16, 1875	611	199	7	450
163, 775	Same..... Stove.....	May 25, 1875	996	316	7	908
	Herrick, Henry, et al. (See Blood & Topping, assignors.)					
165, 231	Herrick, Oscar D., Ottumwa, Iowa. Knuckle-coupling for tumbling-shafts.....	July 6, 1875	62	21, 25	8	20

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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7, 994	Herriet, Julius, assignor to David W. Bruce, New York, N. Y. Font of printing-types. (Case A. Design)	Jan. 12, 1875			7	47
7, 995	Same. same. (Design)	Jan. 12, 1875			7	47
8, 454	Same. Printing-type. (Design)	July 6, 1875			8	4
	Herring, Calvin L., Saint Louis, Mo. Gas-regulator. (Extension)	Jan. 21, 1875			7	232
6, 514	Herrington, Ephraim F., West Hoosick, N. Y. Harvester-pitman guide and holder. (Re-issue)	June 29, 1875	1215	400	7	1133
159, 758	Same. Journal-bearings for harvesters.	Feb. 16, 1875	505	169	7	267
163, 929	Herrriott, William J., Boston, Mass. Gas-burner	June 1, 1875	76	25	7	941
162, 748	Herrman and Herchtrade Manufacturing Company. (See Hill, John W., assignor.)					
6, 646	Herrmann, Louis, Dresden, Germany. Floor for malt-kilns	May 4, 1875	11	5	7	748
165, 825	Herron, James P., Washington, D. C. Process of making paper-pulp from palms. (Re-issue)	Sept. 14, 1875	413		8	472
164, 452	Herschaft, Christopher, and James Lawrence, Brooklyn, N. Y. Hemp and flax machine	July 20, 1875	688	210	8	127
171, 2-2	Herschalt, Christopher, Brooklyn, N. Y. Regulator for hemp-spinning machines	June 15, 1875	595	194	7	10.30
6, 367	Hersey, Charles H., Boston, Mass. Press	Dec. 21, 1875	623	204	8	1048
169, 700	Hersey, Edmund, Hingham, Mass. Machine for cutting the heads and bottoms of wooden boxes	Apr. 6, 1875	235	78	7	602
6, 589	Same. Machine for making beads of wooden boxes	Nov. 9, 1875	382	120	8	793
166, 369	Hershey, Benjamin, Erie, Pa., assignor, by incise assignments, to Pittsburg Chain and Car Link Manufacturing Company. Machine for welding chain-links. (Re-issue)	Aug. 10, 1875	477	{ 146 147 }	8	274
166, 370	Same. same.	Aug. 3, 1875	165	51	8	221
166, 371	Same. same.	Aug. 3, 1875	166	51	8	223
166, 372	Same. same.	Aug. 3, 1875	167	51	8	223
166, 373	Same. same.	Aug. 3, 1875	169	51	8	2-3
166, 374	Same. same.	Aug. 3, 1875	171	52	8	2-3
166, 375	Same. Machine for bending chain-links	Aug. 3, 1875	173	52, 53	8	221
166, 376	Same. Machine for welding chain-links	Aug. 3, 1875	176	53	8	234
166, 377	Same. same.	Aug. 3, 1875	178	53, 54	8	234
8, 331	Same. same.	Aug. 3, 1875	179	54	8	234
6, 328	Hershey, Christian H., Philadelphia, Pa. Charm-medal. (Design)	May 18, 1875			7	837
8, 605	Hersome, Calvin. (See Perley, Charles, assignor.) (Re-issue)					
8, 694	Same. (See Powell, Thomas, assignor.) (Re-issue)					
8, 695	Hersome, Calvin, Boston, Mass. Gaiter-boot. (Re-issue)	Mar. 9, 1875	459	151	7	422
8, 696	Hetter, Christian, New York, N. Y. Gasalier	Sept. 7, 1875			8	403
8, 697	Same. Bracket. (Design)	Oct. 5, 1875			8	561
8, 698	Same. same. (Design)	Oct. 5, 1875			8	561
8, 699	Same. Gasalier. (Design)	Oct. 5, 1875			8	561
8, 700	Same. same. (Design)	Oct. 5, 1875			8	561
8, 701	Same. Chandelier. (Design)	Oct. 5, 1875			8	561
8, 702	Same. New-light. (Design)	Oct. 5, 1875			8	561
8, 703	Same. Lamp. (Design)	Oct. 5, 1875			8	561
8, 704	Same. Lantern. (Design)	Oct. 11, 1875			8	600
8, 705	Same. New-light. (Design)	Oct. 11, 1875			8	600
8, 706	Same. Gasalier. (Design)	Oct. 26, 1875			8	659
167, 244	Hervey, Henry C., and George H. Abrams, Athens, N. Y. Car-coupling	Aug. 31, 1875	1052	327	8	3-0
168, 995	Hertzog, Edward, Jersey City Heights, N. J. Scroll-sawing machine	Oct. 19, 1875	649	214	8	672
166, 776	Hertzog, August, Guttenberg, N. J. Game-board	Aug. 17, 1875	578	178	8	2-8
159, 671	Hertzog, Ignatz, and Richard Koch, New York, N. Y. Lid for retorts	Feb. 9, 1875	408	135	7	249
168, 996	Hess, Abraham W., Chicago, Ill. Platform-scales	Oct. 19, 1875	650	214	8	672
162, 3-2	Hess, Jacob F., assignor to self and Leonard Hess, Massillon, Ohio. Rain-water cut-off	Apr. 20, 1875	738	240	7	685
163, 655	Hess, Jacob F. and Lenerd, Massillon, Ohio. Eaves-trough hanger	May 25, 1875	898	285	7	1-5
	Hess, Lenerd. (See Hess, Jacob F., assignor.)					
161, 035	Hesse, Frederick G., Oakland, Cal. Water-wheel and hydraulic governor	Mar. 23, 1875	734	{ 241 242 }	7	476
163, 195	Hester, Myron, Grand Rapids, Mich. Buckle	May 11, 1875	446	144	7	812
162, 921	Heston, David, Philadelphia, Pa. Shaving-mug	May 4, 1875	166	55	7	769
170, 560	Heston, William, assignor to Ferdinand Schumacher, Akron, Ohio. Oatmeal-machine	Nov. 30, 1875	1228	386	8	929
	Hetzal, Margaret. (See Georgia, Elijah B., assignor.)					
	Heuber, Francis J. (See Little & Heuber.)					
163, 776	Hensch, Rudolph. (See Beyer & Hensch.)					
164, 736	Hensch, Rudolph, and Louis Beyer, assignors to Robert C. Hewett and George Follansbee, Washington, D. C. Machine for setting saws	May 25, 1875	998	{ 316 317 }	7	908
	Hewes, Joseph L., deceased, by Margaret V. Hewes, administratrix, Newark, N. J. Valve-gear for steam-engines	June 22, 1875	856	278	7	1074
	Hewes, Margaret V., administratrix. (See Hewes, Joseph L.)					
171, 566	Hewett, Corydon P., Kingston, Wis. Yielding teeth for seeders and cultivators.	Dec. 23, 1875	899	294	8	1034
	Hewett, Robert C., et al. (See Hensch & Beyer, assignors.)					
	Hewitt, Charles B. (See Carter & Hewitt.)					
162, 471	Hewitt, George S., Jobstown, N. Y. Manufacture of gloves	Apr. 27, 1875	848	272	7	707
8, 010	Hewitt, Richard B., Philadelphia, Pa. Street-lantern and post. (Design)	Jan. 19, 1875			7	33
162, 922	Hewson, Robert, San Francisco, Cal. Automatic air-blast for gas-machines	May 4, 1875	167	55	7	769
	Hey, Emanuel. (See Wild & Hay.)					
171, 224	Heyde, Wilhelm. (See Ramage, Charles E., assignor.)					
158, 414	Heydemann, Robert, Krebsow, and August Klinkmann, Greifswalde, Prussia. Potato-digger	Dec. 21, 1875	570	187	8	1041
169, 440	Heydrich, Gustav, New Uhm, Minn. Propelling-wheel for canal-boats	Jan. 5, 1875	55	19	7	17
8, 240	Same. Millstone-dressing machine	Nov. 2, 1875	109	34	8	750
8, 241	Heyer, Carl E., Boston, Mass. Font of printing-types. (Design)	Mar. 30, 1875			7	516
8, 242	Same. same. (Design)	Mar. 30, 1875			7	516
8, 243	Same. same. (Design)	Mar. 30, 1875			7	516
8, 244	Same. same. (Design)	Mar. 30, 1875			7	516
8, 376	Same. same. (Design)	June 8, 1875			7	968
8, 446	Same. Printing-type. (Case A. Design)	June 29, 1875			7	1098
8, 447	Same. same. (Case B. Design)	June 29, 1875			7	1098
170, 369	Heyl, George, Newark, N. J. Extension-table	Nov. 23, 1875	1030	323	8	894
6, 745	Heyl, George A. (See Smith, John, jr., assignor.)					
163, 313	Heyl, Henry R., and August Brecher, Philadelphia, Pa., assignor to Novelty Paper Box Company. Paper-box machine. (Re-issue)	Nov. 16, 1875	822	{ 259 260 }	8	857
164, 453	Heyl, Henry R., Philadelphia, Pa. Cigar-box tray	May 18, 1875	574	183	7	845
	Heylinger, Isaac W., Philadelphia, Pa. Wrench	June 15, 1875	595	191	7	1030

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166, 103	Heysinger, Isaac W., assignor of one-half interest to Stewart & Mattson, Philadelphia, Pa. Fruit-press	July 27, 1875	964	297	8	177
	Heywood Br. s. & Co. (See Teal, Daniel E., assignor).....(Reissue.)					
	Heywood Chair Company, Walter. (See Rice, Aaron, assignor.)					
170, 561	Heywood, Levi, Gardner, Mass. Tilting chair.....	Nov. 30, 1875	1228	387	8	929
	Hiatt, William W. (See Cooper & Hiatt.)					
	Hibbard, S. R. (See Hibbard, Zebina M., assignor.)					
164, 171	Hibbard, Zebina M., Freeport, assignor of one-half interest to S. R. Hibbard, Chicago, Ill. Ironing-table.....	June 8, 1875	316	107	7	985
	Hibbets, Francis M. (See McGugin, Lybarger, & Hibbets.)					
163, 196	Hick, Theobald, and George W. Weatherwax, Saint Joseph, Mich. Powder and shot charger.....	May 11, 1875	446	144	7	812
160, 430	Hicklenooper, Andrew, Cincinnati, Ohio. Gas-regulator.....	Mar. 2, 1875	154	54	7	370
	Hickey, Patrick, et al. (See Gordon, William J., assignor.)					
	Hickey, Peter J. (See Norris & Hickey.)					
165, 446	Hickman, Elijah, Red Bluff, Cal. Floor-clamp.....	July 18, 1875	316	93	8	59
160, 431	Hickman, Francis, Reading, Pa. Detonating railway-signal.....	Mar. 2, 1875	155	54	7	371
167, 098	Same.....Folding chair.....	Aug. 21, 1875	899	280	8	351
167, 532	Same.....Detonating railway-signal.....	Sept. 7, 1875	135	41	8	425
170, 562	Same.....Foldin chair.....	Nov. 30, 1875	1229	387	8	929
158, 376	Hickman, Francis, Reading, assignor to Samuel S. White, Philadelphia, Pa. Rubber-dam clamp.....	Jan. 5, 1875	22	8	7	11
156, 377	Same.....Burring and finishing tools for dental engines.....	Jan. 5, 1875	22	8	7	12
167, 336	Hickman, Francis, Reading, and Gibbons G. Hickman, Philadelphia, Pa. Manufacture of dental plates.....	Aug. 31, 1875	1129	355	8	391
	Hickman, Gibbons G. (See Hickman, Francis, and Gibbons, G.)					
163, 777	Hickok, William O., Harrisburgh, Pa. Paper-rolling machine.....	May 25, 1875	999	317	6	908
167, 245	Hickox, Henry C., Philadelphia, Pa. Buckle-making machine.....	Aug. 31, 1875	1053	327	8	380
	Hickox, Silas W., et al. (See Kimble, Smith W., assignor.)					
	Hicks & Wolfe. (See Wolfe & Ritchie, assignors).....(Design.)					
	Same.....(See Wolfe, Vedder & Ritchie, assignors).....(Design.)					
164, 299	Hicks, Isaac F., Pine Plains, N. Y. Sewing-machine.....	June 8, 1875	436	144	7	1000
168, 019	Same.....Scroll-sawing machine.....	Sept. 21, 1875	590	129	8	506
	Hicks, John F. (See Ford & Hicks.)					
	Hicks, Martin S. (See Spencer, Abel, assignor.)					
160, 097	Hicks, Michael, and Thomas Smith, New York, N. Y. Car-lamp.....	Feb. 23, 1875	833	274	7	318
165, 329	Hicks, Oliver H., Baltimore, Md. Match-box.....	July 6, 1875	170	52	8	32
	Hickson, Stephen. (See Varley, John, assignor.)					
	Hiddleson, James V. (See White, Henry J., assignor.)					
	Hieber, John D., et al. (See Fitch & Shafer, assignors).....(Reissue.)					
165, 826	Hien, Phillip, and John Koch, Rock Island, Ill. Car-coupling.....	July 20, 1875	689	210	8	127
158, 940	Higbee, Charles, Philadelphia, Pa. Guide for stage-scenery.....	Jan. 19, 1875	567	188	7	117
167, 666	Higbee, Edwin W., Northampton, Mass. Speculum.....	Sept. 14, 1875	266	83	8	451
	Higbee, E. W. (See Harding & Higbee.)					
158, 491	Higby, Luther E., Belleville, N. J. Rope and cordage machine.....	Jan. 5, 1875	125	42	7	26
	Higgins & Co., E. S. (See Fisher, John, assignor).....(Design.)					
169, 541	Higgins, Charles M., assignor to Keuan O'Brien, Brooklyn, N. Y. Leather-screw-pegging machine.....	Nov. 2, 1875	194	66, 67	8	761
161, 613	Higgins, Henry, and Thomas S. Whitworth, Manchester, Great Britain. Carding-machine.....	Apr. 6, 1875	21	8, 9	7	571
158, 709	Higgins, Rozauder S., Fairfield, Ill. Cultivator.....	Jan. 12, 1875	331	113	7	71
166, 378	Higgins, Sylvester W., Saint Louis, assignor of three-fourths interest to James A. Greason and Joseph R. Mecker, Saint Louis, Mo. Auger.....	Aug. 3, 1875	180	54	8	224
	Higgins, Van H. (See Kley & Higgins.)					
168, 565	Higgins, Walter B., San Francisco, Cal. Sewing-machine treadle.....	Oct. 11, 1875	250	82	8	607
	Higgins, William. (See Perkins, Charles B., assignor.)					
159, 672	Higgins, William S., Orville, Cal. Carriage-spring.....	Feb. 9, 1875	409	136	7	249
161, 120	High, A. Luquince, Mount Holly, N. J. Photographic-picture exhibitor.....	Mar. 23, 1875	817	268	7	426
169, 264	High, Franklin G., Kansas City, Mo. Cake-pan.....	Oct. 26, 1875	918	298	8	717
169, 808	Hight, Henry A., sr., Fort Wayne, Ind. Vehicle-spring.....	Nov. 9, 1875	492	155	8	806
161, 511	Higley, Eben N., Great Falls, N. H. Machine for constructing boot and shoe heels.....	Mar. 30, 1875	1208	388	7	514
160, 267	Hilbert, Charles, Sing Sing, N. Y. Furnace for burning petroleum.....	Mar. 2, 1875	11	5	7	350
171, 283	Hilbrif, Gustavus, Meadville, Pa. Stove-pipe shelf.....	Dec. 21, 1875	625	204	8	1048
164, 683	Hildreth, Bradley G., Wilmington, Del. Step-ladder.....	June 22, 1875	804	263	7	1067
166, 698	Hildreth, Charles H., Chicago, Ill. Attachment for stand rocking-chairs.....	Aug. 17, 1875	566	155	8	287
158, 841	Hildreth, Mary E., Mount Pleasant, Iowa. Sad-iron holder.....	Jan. 19, 1875	472	178	7	105
	Hiler, Joseph H. (See Barrett, John, assignor.)					
160, 907	Hiler, Selah, New York, assignor to William I. Martin, Brooklyn, N. Y. Knob-rosu.....	Mar. 16, 1875	612	200	7	450
160, 908	Same.....Knob for doors.....	Mar. 16, 1875	613	200	7	450
	Hill, A. A. (See Price, Benjamin, assignor.)					
	Same.....(See Price, Benjamin F., assignor.)					
163, 197	Hill, Benjamin B., Springfield, Mass. Hand-stamp.....	May 11, 1875	447	145	7	813
	Hill, Benjamin F. (See Allen, William K., assignor.)					
	Hill, Charles F. (See Hill, George D., assignor.)					
162, 923	Hill, Charles F., Baltimore, Md. Boot and shoe.....	May 4, 1875	168	55	7	769
165, 330	Same.....Last for boots and shoes.....	July 6, 1875	170	52	8	32
6, 281	Hill, Charles F., assignor to self and George D. Hill, Baltimore, Md. Shoe.....(Reissue.)	Feb. 9, 1875	473	159	7	258
167, 762	Same.....Insole for boots and shoes.....	Sept. 14, 1875	356	112	8	464
	Hill, Cyrus. (See Batchelor, Joseph M., assignor.)					
6, 576	Hill, David W. (See Viall, Townsend & Hill.)					
6, 577	Hill, Edward A., Chicago, Ill. Hotel annunciator and fire-alarm.....(Reissue.)	Aug. 3, 1875	256	77	8	235
165, 578	Same.....same.....(Reissue.)	Aug. 3, 1875	258	77, 78	8	235
	Hill, Edward A., Chicago, Ill. and Herman J. Schneider, Philadelphia, Pa., assignors to Edward A. Hill, Chicago, Ill. Pocket telegraph-relay.....	July 13, 1875	437	132	8	77
167, 173	Hill, Edward A., Chicago, Ill. Galvanic battery.....	Aug. 31, 1875	992	308	8	372
158, 710	Hill, Edwin A., East Cambridge, Mass. Variable exhaust for locomotive and other engines.....	Jan. 12, 1875	333	113	7	71
159, 673	Hill, Edwin S., Waterbury, Conn. Sewing-machine.....	Feb. 9, 1875	410	136	7	249
170, 262	Hill, Frank A., San Leandro, Cal. Gang-plow.....	Nov. 23, 1875	942	294	8	881
167, 246	Hill, Frederick F., Essex, Conn. Suspension hook-rack.....	Aug. 31, 1875	1053	327	8	380
	Hill, George D. (See Hill, Charles F., assignor.)					
	Same.....same.....(Reissue.)					
159, 674	Hill, George D., assignor to self and Charles F. Hill, Baltimore, Md. Shoe.....	Feb. 9, 1875	411	136	7	249
	Hill, George J. (See Ruger & Hill.)					

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165, 579	Hill, George J., assignor of one-half interest to James W. and Augustus Ruger, Buffalo, N. Y. Fare-box	July 13, 1875	437	132	8	77
170, 170	Hill, George J., and Augustus Ruger, Buffalo, N. Y., assignor of part interest to James W. Ruger. Conductor's punch, alarm, and registering implement	Nov. 23, 1875	859	269	8	870
168, 332	Hill, Homer C., Clinton, Ill. Clothes-pin	Oct. 5, 1875	15	6	8	566
171, 019	Hill, Hugh W., Decatur, Ill. Corn-husking implement	Dec. 14, 1875	344	115	8	1003
	Hill, James. (See Heath, Laban, assignor.)					
	Hill, James T. (See Gaither & Hill.)					
170, 563	Hill, John J., Hayden's Ferry, Ariz. Submerged tide and current wheel	Nov. 23, 1875	943	295	8	881
166, 006	Hill, John N., assignor to Charles G. Pressey, Concord, N. H. Corn-stalk cutter	July 27, 1875	872	268	8	164
169, 542	Hill, John R., Bloomfield, Iowa. Hay-ricking apparatus	Nov. 2, 1875	202	67	8	762
165, 331	Hill, John R., Republic, assignor of one-half interest to Joseph M. Darke, Pistoria, Ohio. Vehicle-seat	July 6, 1875	171	52	8	32
170, 370	Hill, John W., Dayton, Ohio. Cross-head	Nov. 23, 1875	1041	321	8	894
159, 675	Hill, John W., assignor of one-half interest to Herrman and Herchelrode Manufacturing Company, Dayton, Ohio. Piston-packing	Feb. 9, 1875	411	136	7	249
160, 189	Hill, John W., assignor of one-half interest to Christian Herchelrode, Dayton, Ohio. Frame for portable steam-engines	Feb. 23, 1875	909	299	7	330
161, 683	Hill, Jonathan, Stanhope, N. J. Twine-holder	Apr. 6, 1875	82	39	7	581
165, 674	Hill, Joseph P., Barre, Vt. Clothes drier	July 20, 1875	542	165	8	107
8, 606	Hill, Judson E., and William H. Deacon, assignors to John Bromley & Sons, Philadelphia, Pa. Carpet	Sept. 7, 1875			8	403
160, 673	Hill, Nathan H., assignor to John K. Coolidge, Nathan H. Hill, and Edwin C. Coolidge, Cincinnati, Ohio, Reclining chair	Mar. 9, 1875	381	129	7	413
	Hill, Philip. (See Cunningham & Hill) (Design.)					
168, 491	Hill, Samuel L., Brooklyn, N. Y. Thill-coupling	Oct. 5, 1875	153	50	8	587
6, 344	Hill, Thomas, Augusta, Ga. Trunnion for steam engines and calenders (Reissue)	Mar. 23, 1875	1010	329	7	511
163, 376	Hill, Walter N., Newport, R. I. Machine for making liquid carbonic acid	May 18, 1875	629	201	7	852
167, 611	Hill, Warren S., Boston, Mass. Heat-regulator	Sept. 14, 1875	219	68	8	414
169, 170	Hillard, James P., Fall River, Mass. Spinning-machine	Oct. 26, 1875	834	271	8	766
164, 737	Hillegass, George, Philadelphia, Pa. Hydrant	June 22, 1875	856	278	7	1074
161, 289	Hiller, Gottlob, New York, N. Y. Railway-car brake	Apr. 6, 1875	170	58	7	593
	Hillhouse, John T. (See Williams & Hillhouse.)					
169, 904	Hilliker, Henry, Saint Louis, Mo., assignor of one-half interest to William C. Warren. Adjustable scaffold	Nov. 16, 1875	595	185	8	827
163, 656	Hills, William D., Elgin, Ill. Device for swaging bullets	May 25, 1875	899	285	7	895
	Hillman, John J. (See Rankin, Edwin D., assignor.)					
159, 676	Hills, George, Plainville, Conn. Floral stand for windows	Feb. 9, 1875	412	137	7	249
162, 649	Hills, Lewis M., New Haven, and Edwin Allen, Norwich, Conn.; said Allen assignor to said Hills. Wood-planing machine	Apr. 27, 1875	995	320	7	755
	Hilson, James D. (See Miller & Hilson.)					
158, 550	Hilson, William E., Oshkosh, Wis. Washing-machine	Apr. 27, 1875	912	292	7	715
8, 657	Hilson, Max, New York, N. Y. Cigar-box (Design)	Sept. 21, 1875			8	475
168, 566	Hilton, Robert, Cincinnati, Ohio. Trunk-fastening	Oct. 11, 1875	251	82	8	607
161, 512	Hilts, Anthony, Springdale, Ohio. Field-roller	Mar. 30, 1875	1209	388	7	545
	Himelreich, Peter W., et al. (See Row, John W., assignor.)					
163, 070	Himelrich, William, and Jacob Smith, Franklin Township, Ohio. Buckle	May 11, 1875	330	107	7	798
163, 868	Himmer, Vitalis, New York, N. Y. Pendulum-clock	June 1, 1875	29	9	7	934
	Himrod, Peter, et al. (See Brewster, John C., assignor.) (Reissue.)					
162, 650	Hinchcliff, James, Bromley, England, assignor to R. Hoe & Co., New York, N. Y. Printing-press	Apr. 27, 1875	997	320	7	726
159, 759	Hinckley, Lafayette, Virginia City, Nev. Amalgamator	Feb. 16, 1875	505	169	7	267
170, 851	Hincks, Enoch P., Bridgeport, Conn. Tack	Dec. 7, 1875	177	60	8	974
162, 066	Hindemyer, Joseph, and Edward Benkämper, Philadelphia, Pa. Vent for beer-barrels	Apr. 13, 1875	424	141	7	639
171, 130	Hinds, Charles H., and Adolph T. Smith, New York, N. Y. Electric gas-lighting apparatus	Dec. 14, 1875	452	149	8	1018
171, 131	Same. Gas-lighting by electricity	Dec. 14, 1875	454	149	8	1018
160, 190	Hiner, Martin M., and James M. Fessler, Harrisburgh, assignors of one third interest to F. R. Colder, State College, Pa. Car-brake	Feb. 23, 1875	910	299	7	330
161, 121	Hinkle, Philip, San Francisco, Cal. Vacuum relief-valve for water-pipes	Mar. 23, 1875	419	268	7	486
164, 300	Same. Hydraulic elevator	June 8, 1875	437	145	7	1000
167, 099	Same. Device for operating throttle-valves	Aug. 24, 1875	900	281	8	352
163, 198	Hinkley, Benjamin, Troy, N. Y. Railway-switch	May 11, 1875	449	115	7	813
164, 301	Hinkley, George M., Milwaukee, Wis. Saw-guide	June 8, 1875	438	145	7	1001
	Hinkley, Nelson P. (See Hinksee & Hinkley.)					
160, 321	Hinkson, Ransom, and Felson P. Hinkley, Buffalo, N. Y. Sod-cutter	Mar. 2, 1875	60	21	7	357
	Hinrichs, Charles F. A. (See B. chet, Alphonse, assignor.)					
8, 489	Hinrichs, Charles F. A., Brooklyn, N. Y. Lamp-shade (Design)	July 20, 1875			8	95
158, 638	Hinton, Robert C., Clinton, Mo. Broom-corn harvester and thrasher	Jan. 12, 1875	269	91	7	62
164, 172	Hintz, Julius C., Canton, Ohio. Multiple safe	June 8, 1875	317	107	7	985
169, 543	Same. Drawing-board attachment	Nov. 2, 1875	203	67, 68	8	762
162, 383	Hinwest, Robert, New York, N. Y. Cramp for hollow walls	Apr. 20, 1875	739	240	7	655
16, 414	Hinzey, Elias C., Iowa City, Iowa. Mode of making emory rubbers for burr-mill-stones	Mar. 30, 1875	1114	360	7	532
166, 379	Hipkins, Stephen, jr., and John W. Rigsby, Wheeling, West Va. Railway-rail-joint fastening	Aug. 3, 1875	181	54	8	224
162, 551	Hipp, Samuel, Theodore Wegagen, and Charles Nickel, Cleveland, Ohio. Combination-lock	Apr. 27, 1875	913	293	7	715
169, 993	Hirner, Jacob, assignor of one-half interest to Clarence A. Hart, Philadelphia, Pa. Fringe	Nov. 16, 1875	668	209	8	837
159, 575	Hirsch, William, and James D. Moore, Grinnell, Iowa. Sewing-machine	Feb. 9, 1875	324	106	7	237
8, 332	Hirschfeld, Henry W., assignor to Meriden Britannia Company, West Meriden, Conn. Group of statutory (Design)	May 18, 1875			7	837
159, 265	Hisley, John P., Syracuse, N. Y. Gag-runner	Feb. 2, 1875	23	8	7	187
160, 772	Same. Bridle-bit	Mar. 16, 1875	500	162	7	435
160, 909	Same. Trace-buckle	Mar. 16, 1875	613	200	7	450
162, 584	Hitchcock, George, assignor to William Everham, Philadelphia, Pa. Pavier's rammer	Apr. 20, 1875	739	241	7	675
169, 441	Hitchcock, Peter M., Cleveland, Ohio. Device for facilitating the filing of postal cards	Nov. 2, 1875	110	35	8	750
161, 036	Hitchens, Joseph, assignor of one-half interest to Thomas B. Bakey, Port Washington, Ohio. Fluid thief or pump	Mar. 23, 1875	736	242	7	476
160, 322	Hitt, Adrain, Flora, Ill. Saddle-horse apparatus	Mar. 2, 1875	61	22	7	357
167, 247	Hixson, Samuel, West Newton, Pa. Bee-dive	Aug. 31, 1875	1051	328	8	380
	Hoadley Company, J. C. (See Hoadley, John C., assignor.)					
	Same. (See S. ms, Gardiner C., assignor.)					

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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161, 122	Hoadley, John C., assignor to J. C. Hoadley Company, Lawrence, Mass. Steam-boiler furnace	Mar. 23, 1875	820	268	7	487
164, 917	Same..... Governor for steam-engines	June 29, 1875	1043	336	7	1105
163, 999	Hoag, Peter, and Otto Junkerman, Centralia, Ill. Water-elevator	June 1, 1875	134	47	7	549
160, 017	Hoagland, Isaac W., Newark, N. J. Measuring-funnel	Feb. 23, 1875	765	253	7	309
169, 809	Hoagland, Isaac W., Newark, N. J., assignor to Richard J. Chard and William Howe, New York, N. Y. Lubricator	Nov. 9, 1875	493	155	8	806
8, 187	Hoard, John W., et al. (See Young, Solomon W., assignor)..... (Reissue.)					
163, 020	Hoare, John, Corring, N. Y. Bouquet-holder or vase..... (Design)	Mar. 2, 1875			7	345
163, 827	Hobbs, Augustin M., Wauwata, Wis. Double-acting-valve cut-off to flour-packers	Sept. 21, 1875	591	189	8	507
169, 103	Hobbs, Brockmeyer & Co., J. H. (See Wagner, Louis, assignor)					
162, 233	Hobbs, George W., et al. (See Robbins, Joseph A., assignor)					
169, 103	Hobbs, John H., Wheeling, W. Va. Manufacture of glassware	Oct. 26, 1875	775	252	8	697
162, 234	Hobbs, John H., Wheeling, W. Va., and Charles W. Brockmeyer, Bridgeport, Ohio. Glass-mold	Apr. 20, 1875	597	196	7	668
167, 835	Same..... Manufacture of pressed glass flower and fruit stands	Apr. 20, 1875	598	166	7	668
163, 200	Hobbs, Joseph D., Northfield, Iowa. Tire-shrinking machine	Sept. 21, 1875	434	138	8	483
169, 171	Hobbs, Thomas J. (See Tenney & Hobbs)					
169, 171	Hobbs, William H., et al. (See Graves, Robert C., assignor)..... (Reissue.)					
168, 492	Hobson, Thomas M., Paola, Kans. Kneading-board	May 11, 1875	450	145	7	813
168, 492	Hoch, Albert A., Reading, Pa. Dumping-wagon	Oct. 26, 1875	835	271 272	8	706
170, 371	Hoekert, Seigfried L., assignor of one-half interest to Henry Herckelrath, Cincinnati, Ohio. Truss	Oct. 5, 1875	154	51	8	587
170, 371	Hockstetter, Jacob J. (See Weirich, Benedict, assignor)					
165, 732	Hodgdon, C. W. (See Hall, George L., assignor)					
164, 732	Hodgdon, Edwin, assignor to self and Ansel J. Cheney, Springdale, Me. Anvil	July 20, 1875	591	181	8	114
162, 819	Hodge, Jacob, Springfield, Ill. Fifth-wheel	July 22, 1875	857	278	7	1074
160, 268	Hodge, William R., East Newark, N. J. Lathe for turning wood	May 4, 1875	76	24, 25	7	737
170, 086	Hodges, Andrew J. (See Denton, Charles, assignor)					
168, 396	Hodges, Andrew J., Peoria, Ill. Wheel for vehicles	Mar. 2, 1875	11	5	7	350
168, 396	Hodges, J. S. (See Leo, Harvey T., assignor)					
168, 396	Hodges, Pliny F., et al. (See Brown, James O., assignor)					
168, 396	Hodges, Pliny F., Massillon, assignor of one-half interest to Hoover & Co., Miamisburgh, Ohio. Harvester-rake	Nov. 16, 1875	757	239	8	849
162, 651	Hodges, William R. (See Bittenberg & Hodges)					
162, 652	Hodgkins, Christopher, Marlborough, N. H., assignor to Nesbitt D. Steops, Philadelphia, Pa. Sewing-machine	Aug. 17, 1875	708	220	8	316
162, 652	Same..... (Reissue.)					
162, 652	Hodgson, Albert, Humboldt, Kans. Corn-planter	Oct. 5, 1875	69	24	8	574
160, 974	Hoe & Co., R. (See Case, Ariel, assignor)					
160, 974	Same..... (See De Puy, Alexander T., assignor)					
160, 974	Same..... (Reissue.)					
160, 974	Same..... (See Hincheliff, James, assignor)					
160, 974	Hoe, Richard M., New York, N. Y. Printing-press	Apr. 27, 1875	992	320	7	726
160, 974	Same..... same	Apr. 27, 1875	999	321	7	726
160, 974	Hoehn, William, assignor to Adam Schwaab, New York, N. Y. Barber's chair	July 6, 1875	83	25	8	20
160, 974	Hofele, Ferdinand W., New York, N. Y. Combined cleat and lawser clamp	Nov. 30, 1875	1296	409	8	938
160, 974	Hoff, Charles, Cincinnati, Ohio. Sheet-metal bucket	Mar. 9, 1875	382	129	7	413
160, 974	Same..... Corpse-cooler	Mar. 16, 1875	614	200	7	450
166, 104	Hoffer, David. (See Smith, Charles A., assignor)					
165, 332	Hoffbein, Reuben, York, Pa. Tile making and laying machine	July 27, 1875	965	297	8	178
6, 746	Hoffbeins, Reuben. (See Mears, John H., assignor)..... (Reissue.)					
165, 332	Hoffman, Adolph E., Philadelphia, Pa. Saw-set	July 6, 1875	172	52	8	32
163, 658	Hoffman, Austin D., Chicago, Ill., assignor, by mesne assignments, to the Railway Register Manufacturing Company, Buffalo, N. Y. Registering ticket-punch	Nov. 16, 1875	826	269	8	857
165, 489	Hoffman, David L., and Parker M. Shoemate, Aullville, Mo. Farm-fence	May 25, 1875	900	286	7	896
163, 288	Hoffman, David L., and Parker M. Shoemate, assignors to George W. Ennis, Aullville, Mo. Weather-strip	July 13, 1875	359	105	8	65
169, 640	Hoffman, F. E. (See Lovenguth, John, assignor)					
169, 640	Hoffman, George W., Monroe Centre, Ill. Sewing-machine	Apr. 20, 1875	644	210 211	7	674
170, 563	Hoffman, Gustav R., Chicago, Ill. Process for producing multicolored designs on wire-cloth	Nov. 9, 1875	329		8	784
170, 563	Hoffman, James H. (See Spofford, Charles, assignor)					
6, 597	Hoffman, John L., assignor to Robert R. Armor, Oil City, Pa. Oil-well packing	Nov. 30, 1875	1230	387	8	929
165, 733	Hoffman, John M. (See Gilliford & Hoffman)					
165, 733	Hoffman, Joseph. (See Hoffman, Nicholas W., assignor)					
165, 733	Hoffman, Joseph, Lebanon, N. J., assignor, by mesne assignments, of one-half interest to Nicholas W. Hoffman. Hoisting-apparatus..... (Reissue.)	Aug. 17, 1875	709	220	8	316
165, 733	Hoffman, Joseph H., Baltimore, Md. Show-case refrigerator	July 20, 1875	592	181 182	8	115
167, 763	Hoffman, Lindley M. (See Filbert & Hoffman)					
160, 323	Hoffman, Nicholas W. (See Hoffman, Joseph, assignor)..... (Reissue.)					
158, 492	Hoffman, Nicholas W., assignor of one-half interest to Joseph Hoffman, Lebanon, N. J. Hoisting-apparatus	Sept. 14, 1875	357	113	8	464
168, 744	Hoffman, Richard H., Keyser, W. Va. Bill-file	Mar. 2, 1875	61	22	7	357
164, 560	Hoffman, Sebastian, Saint Louis, Mo. Tilting chair	Jan. 5, 1875	126	42	7	27
164, 560	Same..... same	Oct. 11, 1875	413	134	8	631
164, 561	Hoffman, W. D. (See Becker & Hoffman)					
168, 494	Hoffman, William H., Passaic, N. J., assignor to New York Steam-Engine Company, New York, N. Y. Mechanism for adjusting lathe-beds to different heights	June 15, 1875	684	222	7	1042
163, 657	Same..... Tool-receptacle for metal-working machines	June 15, 1875	685	222	7	1042
160, 191	Hoffman, William H., Passaic, N. J., and Buckingham S. Hoyt, New York, N. Y. Copying-press	Oct. 5, 1875	156	51	8	587
168, 493	Hoffmann, Axel, New York, N. Y. Planing attachment for metal-turning lathes	May 23, 1875	900	285	7	895
168, 493	Hoffmann, Charles H., San Francisco, Cal. Fertilizing compound	Feb. 23, 1875	940		7	330
161, 614	Hoffmann, George. (See Hoffmann, Jacob and George)					
8, 648	Hoffmann, Jacob and George, Philadelphia, Pa. Machine for grinding and fitting pearl veneers	Oct. 5, 1875	155	51	8	587
161, 614	Hoffmaster, Sol, Harrisburgh, Pa. Lubricator for piston-rods	Apr. 6, 1875	22	9, 10	7	572
161, 614	Hoffmeister, Charles E., New York, N. Y. Piano-forteleg..... (Design)	Sept. 14, 1875			8	439

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162, 653	Hoffmeister, Louis C., jr., Philadelphia, Pa. Window-shade fixture.	Apr. 27, 1875	1000	321	7	796
	Hofmann, Carl, <i>et al.</i> (See Anderson, Charles, assignor.)					
164, 684	Hogben, James, Cleveland, Ohio. Compound for sizing paper.	June 22, 1875	805		7	1067
166, 669	Hoge, John T., and Robert D. Shultz, Zanesville, Ohio. Soap.	Aug. 10, 1875	406		8	265
	Hoglen, George W., <i>et al.</i> (See Krrtzsch, William, assignor.)					
	Hoglen, George W., <i>et al.</i> (See Nugent, Richard C., assignor.)					
160, 324	Hogue, Alexander, Rutland, Ohio. Carriage-painter's easel.	Mar. 2, 1875	62	22	7	357
159, 760	Hogue, Charles C., Brush Creek, Iowa. Stamp-puller.	Feb. 16, 1875	506	170	7	268
	Hogue, Lovren E., Sandy Lake, Pa. Farm fence. (Reissue.)	Apr. 6, 1875	236	78	7	602
158, 941	Same. ....	Jan. 19, 1875	567	188	7	117
158, 711	Hoit, Lora B., Worcester, Mass. Corn-sheller.	Jan. 12, 1875	334	114	7	71
	Hoitt, James W. (See Merrill & Hoitt.)					
	Same. .... (Reissue.)					
160, 432	Holabird, William H., and Aaron Parks, Valparaiso, Ind. Cartridge-shell holder.	Mar. 2, 1875	156	55	7	371
166, 608	Holbrook, Charles W., Windsor Locks, Conn. Clamp for pressing leaves.	Aug. 10, 1875	406	125	8	265
159, 094	Holbrook, Silas W., Catskill, N. Y. Washing-machine.	Jan. 26, 1875	732	242	7	147
168, 567	Holbrook, Sylvanus, Rockport, Mass. Railway-track gauge.	Oct. 11, 1875	252	82	8	607
163, 012	Holbrook, Walter A., Milwaukee, Wis. Grate.	May 14, 1875	275	89	7	791
	Holcomb, A. A., <i>et al.</i> (See Hawkins, William G., assignor.)					
	Holcomb, Abel P. (See Huntley, Holcomb & H. inc.)					
	Holcombe, Clifford A. (See Baldwin & Holcombe.)					
165, 233	Holdam, William H., Crab Orchard, Ky. Egg-box.	July 6, 1875	83	25	8	20
170, 671	Holden, Charles F., Boston, Mass. Bird-cage.	Dec. 7, 1875	16	5	8	953
	Holden, Charles W. (See Blodget, Henry T., assignor.)					
169, 025	Holden, George W., Dayton, Ohio. Book-cover protector.	Nov. 16, 1875	596	185	8	827
169, 810	Holden, Oliver, New York, N. Y. Alloy for preventing incrustation upon metals.	Nov. 9, 1875	493		8	806
162, 820	Holden, Orsemor S., and John S. Coiry, Felchville, Vt. Combined wash-bench and wringer.	May 4, 1875	77	25	7	757
169, 265	Holdsworth, William, Chester, Pa. Tire-upsetting machine.	Oct. 26, 1875	919	298	8	717
163, 869	Holland, Charles L., Ipswich, Mass. Laundry-polish.	June 1, 1875	30		7	934
162, 167	Holland, Charles L., assignor of one-half interest to John J. Sullivan, Ipswich, Mass. Nut-lock.	Apr. 20, 1875	536	176	7	660
158, 712	Holland, James H., Aurora, Mo. Combined land-roller and seeding-machine.	Jan. 12, 1875	335	114	7	71
159, 513	Holland, John, Cincinnati, Ohio. Pen and pencil case.	Feb. 9, 1875	278	90	7	230
165, 827	Holland, Timothy, New York, N. Y. Stop-cock.	July 20, 1875	689	211	8	127
166, 204	Holland, Wallace S., and Josiah W. Parker, Vergennes, Vt. Slide for extension-tables.	Aug. 3, 1875	30	7	8	202
166, 007	Hollery, Joseph, Brooklyn, N. Y. Toilet-glass frame.	July 27, 1875	873	268	8	164
170, 561	Hollenbeck, Aramont N., Genoa, Ill. Windmill.	Nov. 30, 1875	1231	387	8	949
6, 787	Hollen, Stephen W., Cincinnati, Ohio, assignor to James Sargent, Rochester, N. Y. Time-lock.	Dec. 7, 1875	251	85	8	984
	Same. .... (Reissue.)					
162, 552	Hollenbeck, John W., Auroraville, Wis. Wagon-bolt.	Apr. 27, 1875	915	293	7	715
	Holliday, Alfred D. (See Butterfield & Holliday.)					
	Holliday, Amos C. (See Whiteside & Holliday.)					
168, 900	Holliday, James G., assignor to self and Frank E. Hutchinson, Pittsburgh, Pa. Railway-rail joint.	Oct. 19, 1875	561	183	8	660
158, 797	Holliday, James L., assignor of one-half interest to John A. Holliday, Wheeling, W. Va. Coal-box.	Jan. 19, 1875	432	144	7	100
160, 018	Holliday, John, and Hayden M. Baker, Brooklyn, N. Y. Process for removing tin from tin-scrap.	Feb. 23, 1875	766		7	309
	Holliday, John A. (See Holliday, James S., assignor.)					
161, 961	Hollinger, John H., Lancaster, Pa. Meat-cutter.	Apr. 13, 1875	337	113	7	627
167, 533	Hollingsworth, James, Chicago, Ill. Horse hay-rake.	Sept. 7, 1875	136	41, 42	8	425
166, 460	Hollingsworth, Joseph, assignor of one-half interest to Elihu W. Pemberton, Jonesborough, Ind. Washing-machine.	Aug. 10, 1875	283	84	8	246
167, 667	Hollingsworth, Sanders, Pike Township, Indiana. Wood-holder for saw-lucks.	Sept. 14, 1875	267	83	8	451
169, 994	Hollis, John W., assignor of two-thirds interest to Americans Warden, Charles C. Campbell, and Edwin C. Bush, Cincinnati, Ohio. Elastic back-band for harness.	Nov. 16, 1875	669	210	8	837
163, 071	Hollis, Washington, Pembroke, Ky. Moth-trap.	May 14, 1875	330	107	7	798
171, 472	Hollis, William J., De Witt, Mo. Farm-gate.	Dec. 28, 1875	816	268	8	1082
168, 333	Hollister, George Quincy, Mass. Cattle-burner.	Oct. 5, 1875	15	6	8	567
164, 698	Hollister, George E., Kalamazoo, Mich. Ironing-board.	June 29, 1875	1112	358	7	1111
162, 654	Holtman, Joseph J., Humboldt, Tenn. Bale-tie.	Apr. 27, 1875	1001	321	7	726
164, 749	Holloway, Henry C., assignor to self and John S. Harrison, San Diego, Cal. Planing-machine.	June 22, 1875	858	279	7	1074
158, 378	Holloway, Josephus F., Cleveland, Ohio. Steam-cylinder head for compound engines.	Jan. 5, 1875	23	8	7	12
167, 248	Holm, Loren H., San Francisco, Cal. Bridle-bit.	Aug. 31, 1875	1055	328	8	380
171, 284	Holman, David O., Adams, N. Y. Vehicle-hub.	Dec. 21, 1875	625	204	8	1039
164, 454	Holmers, Axel, Boston, Mass. Sofa-bedstead.	June 15, 1875	596	194	7	1030
	Holmes, Britain. (See Holmes, Edward and Britain.)					
	Holmes, C. E. L. (See McMannus, Henry, assignor.)					
170, 265	Holmes, Charles E. L., assignor to Lawrence Curry-Comb Company, New York, N. Y. Curry-comb.	Nov. 23, 1875	944	295	8	881
166, 872	Holmes, Edward and Britain, Buffalo, N. Y. Machine for jointing staves.	Aug. 17, 1875	664	207	8	310
166, 873	Same. .... Machine for sawing barrel-heads.	Aug. 17, 1875	666	207	8	311
	Holmes, Edwin T. (See Whiting, William.)					
	Holmes, Frederick A. (See Williams, George, assignor.)					
166, 871	Holms, George W., Council Bluffs, Iowa. Washing-machine.	Aug. 17, 1875	663	206	8	310
162, 749	Holmes, Henry, Troy, N. Y. Brush-back.	May 4, 1875	13	5	7	748
162, 750	Same. .... Machine for punching brush-blocks.	May 4, 1875	13	5	7	748
163, 492	Holmes, Henry H., Council Bluffs, Iowa. Boot and shoe cleaner.	May 18, 1875	732	233	7	866
16, 825	Holmes, Isaac L., Saco, Me. Cloth-shearing machine.	Mar. 16, 1875	547	{ 177 178	{ 7 7	{ 441 441
86, 306	Holmes, Isaac V., New York, N. Y. Metallic lathing. (Disclaimer filed.)	July 6, 1875	547		8	148
6, 590	Holmes, Isaac V., Mount Vernon, Ohio, assignor of one-half interest to John Cooper. Metallic lathing. (Reissue.)	Aug. 10, 1875	480	147	8	275
171, 479	Holmes, James A., Cambridgeport, Mass. Window.	Dec. 24, 1875	817	268	8	1083
165, 580	Holmes, John, and Peter P. Quirin, Saint Clair, Pa. Miner's tool.	July 13, 1875	439	133	8	78
165, 581	Holmes, Josiah, Pittsburgh, Pa. Method of making plow mold-boards.	July 13, 1875	440	133	8	78
160, 433	Holmes, Josiah, assignor to self and Hussey, Wells & Co., Pittsburgh, Pa. Metal-rolling machine.	Mar. 2, 1875	156	55	7	371
170, 264	Holmes, Kirk W., Winona, Minn. Billet-loop.	Nov. 23, 1875	944	295	8	881
162, 068	Holmes, Lucian, Tullahoma, Tenn. Fire-tongs.	Apr. 13, 1875	416	142	7	639
167, 249	Holmes, Nathan L., Racine, Wis. Vehicle-body corner-iron.	Aug. 31, 1875	1055	328	8	381
160, 225	Holmes, Thomas J., Boston, Mass. Bottle-stopper.	Dec. 2, 1875	63	22	7	358
170, 255	Holmes, William H., Philadelphia, Pa. Process of treating hides.	Dec. 7, 1875	177	60	8	974
164, 647	Holmes, Winslow H., Hastings, Mich. Process for printing in colors.	June 22, 1875	774		7	1063



Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Drig.	Vol.	Page.
163, 591	Holt, Charles E., Boston, Mass. Lubricator	May 25, 1875	844	268	7	888
164, 999	Holt, Gardiner L., Springfield, Mass. Bit for boring wood	June 29, 1875	1112	359	7	1114
168, 397	Holt, George, Minneapolis, Minn. Kitchen-cabinet	Oct. 5, 1875	70	25	8	575
159, 514	Holt, Henry A., Wilton, N. H. Wood-molding machine	Feb. 9, 1875	279	90	7	230
170, 732	Same..... Spoke-socket	Dec. 7, 1875	73	22	8	960
6, 714	Holt, Horace, Brooklyn, N. Y. Marking-wheel	Oct. 23, 1875	982	317	8	725
159, 180	Holt, Newton W., assignor to Olin Scott, Bennington, Vt. Jeweler's lathe	Jan. 26, 1875	810	265	7	157
161, 337	Holt, Samuel R., Worthington, Ohio. Farm-gate	Mar. 30, 1875	1037	337	7	523
168, 021	Holton, Cassius, Reading, Pa., assignor of one-half interest to Polaski Farwell, Fredricksville, Ill. Nut-lock	Sept. 21, 1875	592	189	8	507
165, 828	Holton, H. B. (See Fairbank, William H., assignor.)					
171, 513	Holton, Simon, Middlebury, Vt. Transit	July 20, 1875	690	211	8	127
162, 061	Holtz, Carl, Saint Louis, Mo., assignor to Hiram A. French. Constructing wells	Dec. 28, 1875	852	278	8	1087
	Holyoke Machine Company. (See Whitten, Nathan H., assignor.)					
	Holzner, Charles, Louisville, Ky. Car-coupling	Apr. 13, 1875	425	142	7	639
	Homan, William, et al. (See Wilson, George W., assignor.)					
	Homer, Charles, et al. (See Rockstroh, Francis E., assignor.)					
	Honnoll, James W., et al. (See Honnoll, Peter, assignor.)					
	Honnoll, Moses H., et al. (See Honnoll, Peter, assignor.)					
167, 250	Honnoll, Peter, Marietta, assignor of two-thirds interest to James W. Honnoll, Byhalia, and Moses H. Honnoll, Marietta, Miss. Bee-hive	Aug. 31, 1875	1056	328	8	321
162, 553	Hood, Alexander J., Warren, Ill. Umbrella-support for vehicles	Apr. 27, 1875	915	293	7	715
166, 874	Hood, Cyrus S., Corning, N. Y. Adjustable folding table	Aug. 17, 1875	669	208	8	311
160, 192	Hood Fire-Arms Company. (See Hood, Freeman W., assignor.)					
	Hood, Freeman W., assignor to Hood Fire-Arms Company, Norwich, Conn. Revolving fire-arm	Feb. 23, 1875	911	300	7	350
161, 615	Same..... same	Apr. 6, 1875	23	10	7	572
165, 582	Hood, Harrison P., and George W. Joseph, Indianapolis, Ind. Device for attaching handles to brushes	July 13, 1875	440	133	8	78
165, 583	Same..... Adjustable handle-attaching device	July 13, 1875	441	174	8	78
160, 596	Hood, William, San Francisco, Cal. Ice-making apparatus	Mar. 9, 1875	318	107	7	404
170, 266	Hoozeveen, George W. F., Haarlem, Netherlands. Electric cable and conductor	Nov. 23, 1875	945	295	8	881
170, 372	Hooker, John, Islington, assignor to William Moore, Beccles, and William C. K. and William Clowes, jr., London, England. Type-setting machine	Nov. 23, 1875	1032	{ 324 } { 325 }	8	894
161, 231	Hookham, George, assignor of one-half interest to Alfred Ludlow, Birmingham, England. Method of applying caps to the heads of screws	Mar. 23, 1875	917	300	7	500
159, 576	Hooper, George W., Greene, Me. Pump	Feb. 9, 1875	325	107	7	237
8, 554	Hooper, James A., jr. (See Braud, Charles A., assignor.)					
166, 693	Hooper, Joseph H., and Theodore Johnson, Portland, Me. Chair	Aug. 3, 1875			8	194
	Hooper, Nicholas B., Brooklyn, N. Y., and Thomas S. Crane, Newark, N. J. Felting-machine	Aug. 17, 1875	506	155	8	287
170, 672	Hooper, Richard H., Washington, D. C. Speaking-tube	Dec. 7, 1875	17	5	8	953
	Hooper, William H., et al. (See Frederick, William C., assignor.)					
170, 856	Hoopes, Ralston R., West Chester, Pa. Portable coal-chute	Dec. 7, 1875	178	61	8	974
160, 326	Hoopes, William R., and Marshall L. Smith, assignors of one-third interest to Baldwin Keech, West Chester, Pa. Car-coupling	Mar. 2, 1875	63	23	7	358
164, 371	Hootou, Francis C., West Chester, Pa. Apparatus for lighting and heating houses	June 15, 1875	518	170	7	10.0
	Hoover, Abel. (See Brown & Hoover.)					
	Hoover & Co. (See Hodges, Pliny F., assignor.)					
159, 927	Hoover, George W., Kutztown, Pa. Harness	Feb. 16, 1875	661	{ 218 } { 219 }	7	228
	Hoover, Harris & Co. (See Jackson & Humphrey, assignors.)					
	Hoover, Rudolph. (See Price & Hoover.)					
168, 253	Hoover, Samuel S., assignor to self and Andrew J. Jones, Alderson, W. Va. Attachment to coffee-pots	Sept. 28, 1875	835	{ 266 } { 267 }	8	547
160, 193	Hoover, Thomas J., Woudbury, Tenn. Corn-sheller	Feb. 23, 1875	912	300	7	330
165, 584	Hope, George T., et al. (See Allen, John F., assignor.)					
	Hopfen, Anton, New York, N. Y. Tooth-protector	July 13, 1875	442	134	8	78
	Hopkins and Dickinson Manufacturing Company. (See McGregor & Voll, assignors.) (Reissue.)					
168, 022	Hopkins, Addison S., Pascoag, R. I. Method of securing spindle-stops in their supports	Sept. 21, 1875	592	189	8	507
167, 174	Hopkins, Caleb, Waltham, Mass. Watch-case tool	Aug. 31, 1875	993	309	8	372
6, 464	Hopkins, Charles B. (See Johnston & Hopkins.)					
6, 715	Hopkins, Charles H., Lyndon, Vt. Cylinder-cock for locomotives	June 1, 1875	205	73	7	958
165, 098	Hopkins, Charles W., Norwich, Conn., assignor of one-half interest to Merwin, Hubert & Co. Safety-catch for revolvers	Oct. 26, 1875	983	318	8	726
168, 023	Hopkins, Charles W., Norwich, Conn., assignor of one-half interest to Merwin, Hubert & Co., New York, N. Y. Safety-catch for revolvers	June 29, 1875	1201	386	7	1126
	Hopkins, Elwood E., and George A. Beidler, Philadelphia, Pa.; said Beidler assignor to said Hopkins. Fan for dental engine	Sept. 21, 1875	593	190	8	507
	Hopkins, Finley G. (See Weller & Hopkins.)					
	Hopkins, George E. (See Cox & Hopkins.)					
159, 677	Hopkins, George M., Albion, N. Y. Flame-regulator	Feb. 9, 1875	413	137	7	249
162, 168	Same..... Steam-trap	Apr. 20, 1875	537	176	7	660
162, 189	Same..... Pipe or hose coupling	Apr. 20, 1875	538	177	7	660
160, 269	Hopkins, George M., assignor of one-half interest to John A. Straight, Albion, N. Y. Car-brake	Mar. 2, 1875	12	5	7	350
162, 475	Hopkins, Henry H., Norwich, Conn. Revolving fire-arm	Apr. 27, 1875	849	273	7	707
164, 918	Hopkins, Isaac N., assignor of one-half interest to George H. Shattuck, Medina, N. Y. Watch-case spring and catch	June 29, 1875	1044	336	7	1105
	Hopkins, James M. (See Heiser, Francis C., assignor.) (Reissue.)					
165, 447	Hopkins, James M., Louisville, Ky. Liquid-measuring apparatus	July 13, 1875	317	93	8	59
168, 997	Same..... Faucet	Oct. 19, 1875	651	214	8	672
171, 381	Same..... Device for filling and discharging liquid-packages	Dec. 21, 1875	709	234	8	1060
171, 382	Same..... Liquid-measure	Dec. 21, 1875	710	235	8	1060
161, 513	Hopkins, Jason R., Washington, D. C. Watch	Mar. 30, 1875	1210	389	7	545
165, 830	Hopkins, Jason R., assignor of one-half interest to William D. Colt, Washington, D. C. Escapement for watches	July 20, 1875	692	211	8	127
165, 831	Same..... Barrel-arbor for watches	July 20, 1875	693	212	8	128
	Hopkins, John L. (See Russell & Seamaus, assignors.)					
159, 095	Hopkins, Joseph W., New York, N. Y. Automatic boiler-feeder, &c.	Jan. 26, 1875	73	212	7	147
159, 266	Hopkins, Lewis C., and Augustus Cooke, Cincinnati, Ohio. Hand-car	Feb. 2, 1875	29	8	7	183
158, 588	Hopkins, Samuel D., Trumansburgh, N. Y. Windmill	Jan. 12, 1875	257	76	7	55

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Drig.	Vol.	Page.
163, 592	Hopkins, Stephen B., Conneaut, Ohio. Device for heating wagon-tires.....	May 25, 1875	844	266	7	888
171, 383	Hoppe, Theodore, Lawrence, Mass. Chuck for metal-drills.....	Dec. 21, 1875	711	235	8	1060
170, 475	Hopper, Gerald. (See Norton, James L., assignor.)					
170, 475	Hopper, Thomas C., Philadelphia, Pa. Combined scrubber and condenser for illuminating-gas.....	Nov. 30, 1875	1149	362	8	918
164, 372	Hopper, William L., Monmouth, Ill. Cultivator.....	June 15, 1875	518	170	7	1629
162, 655	Hopson, Albert S., Plain View, Minn. Vehicle-spring equalizer.....	Apr. 27, 1875	1001	321	7	727
162, 751	Horack, Carl L., Brooklyn, N. Y. Elevated railway.....	May 4, 1875	14	5	7	749
8, 107	Horan, Henry, East Orange, N. J., assignor to Hartford Carpet Company, Hartford, Conn. Carpet.....	(Design) Feb. 23, 1875			7	392
8, 108	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 109	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 110	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 111	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 112	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 113	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 114	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 115	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 116	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 117	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 118	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 119	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 120	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 121	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 122	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 123	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 124	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 125	Same..... same.....	(Design) Feb. 23, 1875			7	392
8, 524	Same..... same.....	(Design) July 27, 1875			8	148
8, 525	Same..... same.....	(Design) July 27, 1875			8	148
8, 526	Same..... same.....	(Design) July 27, 1875			8	148
8, 527	Same..... same.....	(Design) July 27, 1875			8	148
8, 680	Same..... same.....	(Design) Oct. 5, 1875			8	560
8, 681	Same..... same.....	(Design) Oct. 5, 1875			8	560
8, 682	Same..... same.....	(Design) Oct. 5, 1875			8	560
8, 683	Same..... same.....	(Design) Oct. 5, 1875			8	560
8, 684	Same..... same.....	(Design) Oct. 5, 1875			8	560
159, 678	Horan, James S., et al. (See Swafford, Levi W., assignor.)					
163, 493	Horbar, William, Madison, Wisconsin, assignor of one-third interest to J. E. G. Barkhan, Madison, Wis. Sash-fastener.....	Feb. 9, 1875	414	137	7	29
163, 493	Horlick, James and William H., Chicago, Ill. Concentrated extract for food.....	May 18, 1875	733		7	867
164, 086	Horlick, William. (See Horlick, James and William.)					
162, 554	Horn, Sydney H., Bloomfield, Iowa. Earth-auger.....	June 8, 1875	211	81	7	75
163, 870	Horn, William H., Santa Cruz, Cal. Wagon-jack.....	Apr. 27, 1875	916	294	7	715
167, 898	Hornbeck, Cornelius F., Slaterville, N. Y. Wash-bench and wringer.....	June 1, 1875	30	9	7	934
161, 232	Horne, Daniel H., New York, N. Y. Corset.....	Sept. 21, 1875	490	155	8	41
162, 385	Horne, Valentine, Atlanta, Ill. Check-roller.....	Mar. 23, 1875	920	301	7	500
166, 277	Horner, Robert. (See Horner, Samuel, jr., assignor.)					
164, 373	Horner, Samuel, jr., assignor to self and Robert Horner, Philadelphia, Pa. Carpet-fabric.....	Apr. 20, 1875	740	241	7	685
165, 832	Hornich, William, Newark, N. J. Button.....	Aug. 3, 1875	83	26	8	211
165, 832	Horning, Robert A., Sterling, Ill. Automatic gate.....	June 15, 1875	519	171	7	1020
165, 832	Hornish, George B. (See Myers, Christian, assignor.)					
169, 266	Hornum, William H., New York, N. Y. Fare-register.....	July 20, 1875	691	211	8	127
171, 132	Same..... same.....	July 20, 1875	694	212	8	128
171, 133	Same..... Railway-rail joint.....	Oct. 26, 1875	920	298	8	717
8, 715	Same..... Mechanical movement.....	Dec. 14, 1875	455	149	8	1018
8, 715	Same..... Fare-register.....	Dec. 14, 1875	456	149	8	1018
164, 087	Horsfall, Charles H., assignor to Baxter & Scriven Brothers, New York, N. Y. Shirt-bosom.....	(Design) Oct. 11, 1875			8	600
160, 194	Horsfall, John H., New York, N. Y. Dressing-case or combined bureau and wardrobe.....	June 8, 1875	242	83	7	975
160, 195	Horsfall, William, Armley, Leeds, England. Nut-machine.....	Feb. 23, 1875	912	300	7	330
159, 922	Same..... Die for making horseshoes.....	Feb. 23, 1875	914	301	7	330
166, 105	Horton, Philip, and William Chinnins, assignors to M. J. Coleman Bolt and Nut Company, Philadelphia, Pa. Tool for pointing bolts.....	Feb. 16, 1875	656	217	7	287
171, 285	Horton, Henry A. R., and Amos P. Hayes, McKinney, Tex., assignors of one-half interest to John H. Owen. Tire-tightener.....	July 27, 1875	967	297	8	178
161, 616	Horton, James T., Wiedman's, S. C. Gunno-distributor.....	Dec. 21, 1875	626	205	8	1049
158, 493	Horton, Nathan W., New York, N. Y. Drill-chuck.....	Apr. 6, 1875	24	10	7	572
160, 875	Horton, Numon N., Kansas City, Mo. Car-brake.....	Jan. 5, 1875	157	42, 43	7	27
160, 196	Same..... Railway-car seat.....	Aug. 17, 1875	670	208	8	311
162, 170	Horton, Pemberton B., San Francisco, Cal. Saddle-tree.....	Feb. 23, 1875	915	301	7	331
161, 962	Horton, Rollin, Cleveland, Ohio. Dental bib.....	Apr. 20, 1875	539	177	7	660
169, 442	Horton, William D., Nashville, Tenn. Umbrella.....	Apr. 13, 1875	338	{ 113 } { 114 }	7	68
169, 442	Horton, William H., et al. (See Eichbaum, Frederick H., assignor.)					
162, 069	Horton, William H., assignor to self and William Bosson and Norris Nichols, Chelsea, Mass. Mattress and cushion.....	Nov. 2, 1875	110	35	8	70
169, 544	Horton, William W., et al. (See Eichbaum, Frederick H., assignor.)					
162, 069	Horton, Wright, Peckskill, N. Y. Vise.....	Apr. 13, 1875	426	142	7	639
168, 495	Hosford, William B., Maywood, Ill. Stove-grate.....	Nov. 2, 1875	294	68	8	762
162, 656	Hosiek, John. (See Sims & Hosiek.)					
167, 899	Hoskin, John, Philadelphia, Pa. Tube-rolling machine.....	Oct. 5, 1875	157	51	8	587
157, 928	Hosley, George T. B. (See Bunell & Hosley.)					
158, 494	Hosmer, Oren S., assignor to Cyrus Carpenter and Edwin Strain, trustees, Boston, Mass. Darning-machine.....	Apr. 27, 1875	1002	322	7	727
160, 434	Hotchkiss, Arthur E., Cheshire, Conn. Walking-doll.....	Sept. 21, 1875	490	155	8	491
160, 434	Hotchkiss, Arthur E., Cheshire, assignor to Friend W. Smith and Frederick Egge, Bridgeport, Conn. Toy.....	Feb. 16, 1875	662	219	7	288
161, 037	Hotchkiss, Benjamin B., New York, N. Y. Metallic cartridge-case.....	Jan. 5, 1875	128	43	7	17
169, 641	Same..... Breech-loading ordnance.....	Mar. 2, 1875	157	55	7	371
168, 745	Same..... Means of mounting and operating ordnance.....	Mar. 23, 1875	737	{ 242 } { 243 }	7	476
170, 733	Same..... Breech-loading fire-arm.....	Nov. 9, 1875	321	102	8	785
169, 641	Hotchkiss, Charles A., Bridgeport, Conn. Curry-comb.....	Oct. 11, 1875	413	134	8	631
170, 733	Same..... same.....	Dec. 7, 1875	73	23	8	160

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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170, 734	Hotchkiss, Charles A., Bridgeport, Conn. Curry-comb.....	Dec. 7, 1875	74	23	8	860
170, 735	Same..... same .....	Dec. 7, 1875	75	23	8	860
170, 736	Same..... same .....	Dec. 7, 1875	75	24	8	860
170, 857	Same..... same .....	Dec. 7, 1875	179	61	8	974
169, 545	Hotchkiss, Edgar F., Unadilla Forks, N. Y. Mail-bag catcher .....	Nov. 2, 1875	205	68	8	762
	Hotchkiss Sons. (See Saladee, Cyrus W., assignor). (Reissue.)					
	Hotine, William, Brooklyn, N. Y. Machine for mixing dough..... (Extension.)	Jan. 7, 1875			7	180
163, 072	Hotz, Christoph, Chicago, Ill. Vehicle-spring.....	May 11, 1875	331	108	7	788
163, 073	Hotz, Nicholas, Brooklyn, N. Y. Blind-stop.....	May 11, 1875	331	108	7	788
162, 924	Honchin, Thomas W., New York, N. Y. Pocket lamp-stove.....	May 4, 1875	168	55	7	769
166, 008	Same..... Pocket gas-stove.....	July 27, 1875	873	269	8	164
159, 323	Honck, William H., and John B. Fox, Quincy, Ill. Coffin-clamp for hearses.....	Feb. 2, 1875	79	27	7	195
	Hough, Charles W., et al. (See Wiard, George and Thomas, assignors.)					
	Hough, C. W. (See Wiard, George, assignor.)					
170, 951	Hough, Emma, Brooklyn, N. Y. Hair-heading machine.....	Dec. 14, 1875	781	95	8	995
162, 555	Houghtelin, Jarvis W., Fairbury, Neb. Middlings-purifier.....	Apr. 27, 1875	917	294	7	715
	Houghton, Charles. (See Stephenson, Howard B., assignor.)					
171, 020	Houghton, Edward C., Cambridgeport, assignor to Caleb C. Walworth, Boston, Mass. Reversible filter.....	Dec. 14, 1875	345	115	8	1004
6, 562	Houghton, Edwin F., deceased, assignor, by mesne assignments, to Aaron E. Carpenter, Philadelphia, Pa. Converting iron into steel..... (Reissue.)	July 27, 1875	1046		8	189
164, 740	Houghton, Henry S., Smithville, Mass. Picing-warp holder.....	June 22, 1875	858	279	7	1074
	Houghton, James F. (See Anderson & Houghton). (Reissue.)					
166, 461	Houghton, Lewis T., Worcester, Mass. Smoke-fine and heating-drum.....	Aug. 10, 1875	283	84	8	246
168, 901	Houpt, John, Springtown, Pa. Compound condensing apparatus for marine steam-engines.....	Oct. 19, 1875	561	{ 183 184 }	8	660
167, 900	House, Garrett Z., assignor of one-half interest to Orson A. House, New York, N. Y. Combination spring-hinge.....	Sept. 21, 1875	491	155	8	491
170, 171	House, Henry A., Bridgeport, Conn. Shutter-worker.....	Nov. 23, 1875	862	269	8	170
163, 201	House, Henry A., assignor to Frank Armstrong, Bridgeport, Conn. Sash-fastener.....	May 11, 1875	451	146	7	813
171, 918	House, James A., Bridgeport, Conn. Trunk.....	Dec. 28, 1875	961	311	8	1102
	House, J. Martin, et al. (See McPerson, John, assignor.)					
	House, Orson A. (See House, Garrett Z., assignor.)					
161, 790	Housseac, Ambrose N., New York, N. Y. Grate for stoves.....	Apr. 6, 1875	171	59	7	594
163, 202	Houston, George P., Washington, D. C. Cooking-lamp.....	May 11, 1875	452	146	7	813
163, 443	Houston, George P., Washington, D. C., assignor to self and Walton Brothers, New York, N. Y. Handcuff.....	Nov. 2, 1875	111	35	8	750
160, 197	Houston, John, Woodburn, Iowa. Repairing railway-tracks.....	Feb. 23, 1875	915	301	7	330
171, 134	Houston, Levi, Montgomery, Pa. Molding-machine.....	Dec. 14, 1875	457	150	8	1018
171, 480	Same..... Planing-machine.....	Dec. 28, 1875	818	268	8	1038
171, 919	Houston, Samuel, assignor of one-fourth interest to Lewis A. Clarke, Saint Louis, Mo. Wood pavement.....	Dec. 28, 1875	962	311	8	1102
152, 375	Houston, Thomas J., Madison County, Ohio. Cultivator-shovel.....	Jan. 5, 1875	21	7	7	111
164, 685	Hovey, Asa E., San Francisco, Cal. Fare-box.....	June 22, 1875	806	264	7	1067
	Hovey, Francis. (See Hovey, William H., assignor.)					
167, 764	Hovey, Horace C., Ayer, Mass. Combination-lock.....	Sept. 14, 1875	357	113	8	464
164, 302	Hovey, William H., Springfield, Mass., assignor to self and Francis Hovey, New York, N. Y. Umbrella-stand.....	June 8, 1875	439	145	7	1001
166, 380	How, C. Dewey, Cincinnati, Ohio. Holder for preserve-cans.....	Aug. 3, 1875	182	55	8	224
159, 822	Howard, Albert G., Farmington, Me. Leather-strap-skiving machine.....	Feb. 16, 1875	564	187	7	275
166, 205	Howard, Anson M., Ilion, N. Y. Type.....	Aug. 3, 1875	20	7	8	202
169, 701	Same..... Type-machine.....	Nov. 9, 1875	184	120	8	793
162, 476	Howard, Benjamin, and Jesse Beadle, Shicksbiny, Pa. Speaking-tube.....	Apr. 27, 1875	850	273	7	707
158, 639	Howard, Benjamin B., West Bridgevater, Mass. Means of attaching hubs to axles.....	Jan. 12, 1875	270	91	7	62
	Howard, Clarence E. (See Howard, John E. and Clarence E.)					
163, 778	Howard, Elijah L., assignor to John A. S. Graves, Boston, Mass. Clasp for stocking-supporters.....	May 25, 1875	1000	317	7	909
169, 642	Howard, Elijah L., assignor to self and John A. S. Graves, Boston, Mass. Plaiting-machine.....	Nov. 9, 1875	323	102	8	785
	Howard, F. A., et al. (See Pointer, Charles P., assignor.)					
167, 836	Howard, Frederick, Hyde Park, Ill. Check-guard for harness.....	Sept. 21, 1875	434	138	8	483
161, 038	Howard, Frederick B., New York, N. Y. Straw concrete.....	Mar. 23, 1875	738		7	476
170, 087	Howard, George C., Philadelphia, Pa. Platform-elevator.....	Nov. 16, 1875	758	240	8	849
	Howard, George H. (See Howard, William T. and George H.)					
	Howard, Gibbon F., et al. (See Schlenker, Erhard, assignor.)					
167, 534	Howard, John E. and Clarence E., Reading, Mass. Machine for cutting ovals.....	Sept. 7, 1875	137	42	8	425
	Howard, Rufus L., et al. (See Schlenker, Erhard, assignor.)					
168, 254	Howard, Sylvester B., Gilman, Ill. Pitman-connection.....	Sept. 28, 1875	836	267	8	547
162, 925	Howard, William T., Baltimore, Md. Store-door hinge.....	May 4, 1875	169	56	7	769
170, 629	Howard, William T., Baltimore, Md., and George H. Howard, Washington, D. C. Hand-propelled vehicle.....	Nov. 30, 1875	1296	409	8	938
161, 039	Howarth, John, New Cumberland, W. Va., assignor of one-half interest to Samuel T. Lamb, Cambridge, Mass. Apparatus for the manufacture of lamp-black.....	Mar. 23, 1875	738	243	7	476
169, 911	Howden, Robert J., Cincinnati, Ohio. Apparatus for marbleizing mantels.....	Mar. 16, 1875	615	201	7	430
	Howe, Ephraim. (See Gardner, Smith, assignor.)					
	Howe, George H. (See Howe, William M. and George H.)					
161, 233	Howe, Henry, Council Bluffs, Iowa. Truss.....	Mar. 23, 1875	921	301	7	500
167, 765	Howe, Henry, assignor of one-half interest to Walter R. Vaughan, Council Bluffs, Iowa. Apparatus for supplying locomotives with water.....	S. pt. 14, 1875	360	113	8	464
	Howe, Isaac P. (See Wilcox, Darius, assignor.)					
	Howe, Joshua B. (See Worcester & Howe)					
169, 104	Howe, Manley, Boston, Mass. Steam-washer.....	Oct. 26, 1875	776	252	8	697
161, 234	Howe, Otis, assignor to Howe Spring Bed Company, Cambridgeport, Mass. Cot-bedstead.....	Mar. 23, 1875	921	301	7	500
6, 742	Howe, Solon G., assignor to self and James W. Cheney, Detroit, Mich. Car-brake..... (Reissue.)	Nov. 2, 1875	278	90	8	772
162, 556	Same..... same.....	Apr. 27, 1875	918	294	7	715
	Howe Spring Bed Company. (See Howe, Otis, assignor.)					
	Howe, Thomas J. (See Buxton & Howe)..... (Reissue.)					
162, 821	Howe, Wilhelm, Brooklyn, N. Y. Reciprocating churn.....	May 4, 1875	78	25	7	757
	Howe, William, et al. (See Hoagland, Isaac W., assignor.)					
158, 713	Howe, William F., Galveston, Tex. Mosquito-bar frame.....	Jan. 12, 1875	335	114	7	71
171, 021	Howe, William M., Anstin, and George H. Howe, Winnebago City, Minn. Harvesting-machine.....	Dec. 14, 1875	345	115	8	1004
	Howell, Charles P. (See Howell, George W. and Charles P.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 096	Howell, George W. and Charles P., Covington, Ky.; said Charles P. assignor to said George W. Metal-creasing machine	Jan. 26, 1875	734	{ 242 241	7	147
170, 565	Howell, Philip, Buena Vista, Pa. Harvester-cutter	Nov. 30, 1875	1232	388	8	920
169, 267	Howells, Joseph C., New York, N. Y. Hook and eye for wearing-apparel	Oct. 26, 1875	920	298	8	717
164, 741	Howenstine, David J., assignor of one-half interest to George N. Elliott, Canal Fulton, Ohio. Sausage-machine	June 22, 1875	859	279	7	1074
159, 823	Howes, Charles, Hudson, Mass. Clothes-drier	Feb. 16, 1875	565	188	7	275
100, 523	Howes, Charles O. (See Graves & Howes)					
163, 365	Howes, John, Worcester, Mass. Chimney-ventilator	Mar. 9, 1875	254	87	7	394
6, 412	Same. Egg-beater	July 13, 1875	443	134	8	78
163, 203	Howes, Orson G., assignor of one-half interest to William R. Norris, Fort Ann, N. Y. Planing-machine	May 4, 1875	246	79	7	779
168, 992	Howes, Thomas C., Cohoes, N. Y. Glue-pot	May 11, 1875	452	146	7	813
	Howes, Thomas C., Cohoes, assignor to self and Graham & Haines, New York, N. Y. Glue-pot furnace	Oct. 19, 1875	632	215	8	672
	Howie, William. (See Betts & Howie.)					
	Same. (Reissue.)					
	Howland & Co. (See Liddell, William, assignor.)					
	Howland, Della. (See Howland, James W. and Della)					
161, 123	Howland, James W. and Della, New Haven, Conn. Folding table	Mar. 23, 1875	832	269	7	487
168, 496	Howland, Richard, Folkestone, England. Combined pencil-case and calendar	Oct. 5, 1875	158	52	8	587
169, 702	Howlet, Charles M., et al. (See Brinkerhoff, Jacob, assignor.)					
168, 497	Howson, Frank A. and William S., Brooklyn, N. Y. Photographic-plate holder	Nov. 9, 1875	385	121	8	793
	Howson, Henry, Philadelphia, Pa., assignor to William G. Warner, Wilmington, Del. Machinery for grain, pebbles, and softening leather	Oct. 5, 1875	159	52	8	587
	Howson, William S. (See Howson, Frank A. and William S.)					
166, 462	Hoyle, Abraham, Lowell, Mass. Shell-center for metal-turning lathes	Aug. 10, 1875	283	85	8	247
160, 698	Hoyle, Ellis J. and John W., Martin's Ferry, Ohio. Horse-power	Feb. 23, 1875	833	274	7	319
	Hoyle, John W. (See Hoyle, Ellis J. and John W.)					
163, 494	Hoyt, Andrew J., Philadelphia, Pa. Brick-machine	May 18, 1875	733	{ 234 235	7	867
	Hoyt, Buckingham S. (See Hoffman & Hoyt)					
163, 013	Hoyt, Edwin, Stamford, Conn. Chain-pump bucket	May 11, 1875	276	89	7	791
167, 901	Hoyt, Frederic J. and William H., Batavia, N. Y. Register	Sept. 21, 1875	492	156	8	491
167, 902	Hoyt, Isaac N. and Minot, Wayland, Mich. Spring-bottom bed	Sept. 21, 1875	493	156	8	492
159, 324	Hoyt, James B., Chicago, Ill. Car-lamp	Feb. 2, 1875	80	27	7	195
162, 822	Hoyt, John W., Springfield, Mass. Metallic lathing	May 4, 1875	78	26	7	757
163, 314	Same. Iron-conductor	May 18, 1875	574	183	7	845
163, 315	Same. Metallic lathing	May 18, 1875	571	184	7	846
164, 919	Same. Mode of securing metallic lathing	June 29, 1875	1045	337	7	1105
164, 374	Hoyt, Jonathan J., Chelmsford, assignor to the Standard Lamp and Glass Pipe Company, Boston, Mass. Formation of glass lamps	June 15, 1875	510	171	7	1021
163, 659	Hoyt, Lewis S., Ridgefield, Conn. Stove-impliment	May 25, 1875	901	286	7	896
	Hoyt, Minot. (See Hoyt, Isaac N. and Minot.)					
168, 999	Hoyt, Otin W., Cold Water, Mich. Fender	Oct. 19, 1875	652	215	8	673
	Hoyt, Samuel N. (See Birger, Franz, assignor.)					
	Hoyt, William H. (See Hoyt, Frederic J. and William H.)					
	Hubbard, Alva. (See Olm, Henry P., assignor.)					
	Hubbard, Gardiner G., et al. (See Bell, Alexander G., assignor.)					
	Hubbard Harvester Company. (See Gordon, Telford & Myers, assignors.)					
	Same. (See Myers, Jacob H., assignor.)					
169, 546	Hubbard, Horace J., assignor of one-half interest to B. F. McLean, Chicopee, Mass. Bobbin	Nov. 2, 1875	207	68	8	702
	Hubbard, James F. (See Potter & Hubbard)					
170, 737	Hubbard, Lunus, and William A. Hart, Buffalo, N. Y. Pump-valve	Dec. 7, 1875	76	24	8	960
	Hubbard, Moses G. (See Gordon, Myers, Telford & Hubbard.)					
162, 386	Hubbard, Moses G., Minneapolis, Minn. Metallic washer	Apr. 20, 1875	741	241	7	685
161, 791	Hubbell, Algernon S., assignor of one-half interest to Rich. M. Hubbell, Norwich, Conn. Umbrella-rib-tip holder	Apr. 6, 1875	171	59	7	594
161, 040	Hubbell, Alonzo P., Sandusky, Ohio. Seat-back for carriages	Mar. 23, 1875	739	244	7	477
168, 157	Hubbell, Myron R., Wolcott, Vt. Reversible plow	Sept. 28, 1875	752	237	8	536
	Hubbell, Richard M. (See Hubbell, Algernon S., assignor.)					
159, 414	Hubbell, Thomas J., Yountville, Cal., assignor to Jonathan Bateman and Thomas J. Hubbell. Grain-separator	Feb. 2, 1875	156	53	7	206
170, 865	Hubbell, Thomas J., assignor of one-half interest to George W. Cornwell, Napa City, Cal. Hand seed-planter	Dec. 7, 1875	186	63	8	975
159, 325	Hubbell, William L., assignor to Raymond Jenkins, New York, N. Y. Toy dancer	Feb. 2, 1875	81	27	7	195
161, 963	Hubbell, William L., New York, assignor to Raymond Jenkins, Brooklyn, N. Y. Toy gymnast	Apr. 13, 1875	339	114	7	628
6, 826	Hubbell, William W., Philadelphia, Pa. Pavement. (Reissue.)	Dec. 28, 1875	989		8	1106
158, 415	Same. (Reissue.)	Jan. 5, 1875	56		7	17
163, 930	Huber, Allen, Berlin, Canada. Mirror	June 1, 1875	77	26	7	941
169, 703	Huber, Berthold, Brooklyn, N. Y. Fluid-meter	Nov. 9, 1875	386	121	8	793
167, 668	Huber, Edward, Marion, Ohio. Road-scraper	Sept. 14, 1875	267	84	8	451
8, 876	Huber, Stiles, assignor of one-half interest to Aaron Lichten, Philadelphia, Pa. Printing or weaving silk or other fabrics. (Design.)	Dec. 28, 1873			8	1076
171, 622	Huble, Henry H., Central Manor, Pa. Plow	Dec. 14, 1875	347	116	8	1004
162, 171	Hudson, Henry G., Salem, Mass. Lamp-bracket	Apr. 20, 1875	539	177	7	660
166, 106	Hueb, Edward M., Brunswick, Germany. Stove-lamp	July 27, 1875	967	298	8	178
166, 381	Hudgens, Robert H., Laurens Court-House, S. C. Harrow and sower	Aug. 3, 1875	183	55	8	224
162, 557	Hudson, Charles H., Chicago, Ill. Steam pumping-engine	Apr. 27, 1875	919	295	7	716
165, 929	Hudson, Edward P., assignor of one-half interest to Nathaniel Huggins, New York, N. Y. Apparatus for introducing retining materials into molten metals	July 27, 1875	800	245	8	155
170, 267	Hudson, George S., Ellensburg, N. Y. Gage-attachment to wood-boring machines	Nov. 23, 1875	946	296	8	822
160, 912	Hudson, John, Detroit, Mich. Buckle	Mar. 16, 1875	615	201	7	450
170, 268	Hudson, Thomas, Brooklyn, N. Y. Waste-pipe trap	Nov. 23, 1875	946	296	8	822
168, 746	Husted, John W., Schuylerville, N. Y. Stuff regulator for paper-machines	Oct. 11, 1875	414	135	8	631
	Huestis, Harvey, et al. (See Mackinney, Herbert G., assignor.)					
160, 435	Huey, Alexander G., Garnett, Kans. Washing-machine	Mar. 2, 1875	159	56	7	371
	Huey, Webster, et al. (See Fisher, Simeon L., assignor.)					
160, 524	Huey, William, Salisbury, Md. Machine for sawing shingles	Mar. 9, 1875	255	87	7	391
164, 838	Hufeland, Philip, Mount Vernon, N. Y. Machine for cutting fan-leaves	June 22, 1875	948	{ 307 308	7	1086
164, 839	Same. Manufacture of fans	June 22, 1875	951	308	7	1086
	Huff, Byron. (See Mole, John G., assignor.)					
171, 567	Huffaker, Edward C., Morristown, Tenn. Flood-fence	Dec. 28, 1875	900	291	8	1695

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162, 926	Huggins, George F. (See Aldrich & Huggins.) Huggins, John, assignor to Richard Chamberlain, Edwin Ludlow, and Edward L. Parker, Birmingham, England. Machine for making welded tubing	May 4, 1875	170	56, 57	7	769
164, 837	Hughes, Nathaniel. (See Hudson, Edward P., assignor.) Hughes, Samuel. (See Drake, Levi F., assignor.) Hughes, Alexander E., New Albany, Ind., assignor to Great American Fire Extinguisher Company, Louisville, Ky. Chemical fire-extinguisher	June 22, 1875 Aug. 31, 1875	948 1057	307 329	7	10-6 381
167, 251	Hughes, David W., Saint Louis, Mo. Hand-planter	Feb. 16, 1875	507	170	7	268
159, 761	Hughes, Francis L., Rochester, N. Y. Child's carriage					
169, 704	Hughes, James. (See Dawson & Hughes.) Hughes, John, New Bern, N. C. Mechanical movement	Nov. 9, 1875	386	121	8	793
166, 526	Hughes, John R. (See Laughlin & Hughes) Hughes, Joseph W., Newburyport, Mass. Bilge-water valve for ships	Aug. 10, 1875	334	102	8	254
159, 326	Hughes, Samuel, and Michael Kelly, Charleston, S. C. Packing for pistons of hydraulic engines	Feb. 2, 1875	82	27	7	195
6, 667	Hughes, Samuel, assignor to self and Michael Kelly, Charleston, S. C. Hydraulic attachment for cotton-presses (Reissue)	Sept. 28, 1875	898	286 287	8	556
161, 235	Hughes, Samuel T., Ironton, Ohio. Nut-lock	Mar. 23, 1875	922	301	7	500
165, 833	Hughes, William D., Philadelphia, Pa. Method of imposing and printing from newspaper-forms	July 20, 1875	695		8	128
167, 535	Hughes, William J., and John A. Lockard, Clyde, Ohio. Ironing-table	Sept. 7, 1875	138	42	8	925
164, 562	Hughes, William W., Philadelphia, Pa. Device for distributing ashes on icy sidewalks	June 15, 1875	686	223	7	1042
167, 252	Hughson, Jacob D., Prairie City, Ill. Shutter-worker	Aug. 31, 1875	1058	329	8	381
158, 495	Hugunin, Robert B., New York, N. Y.	Jan. 5, 1875	129	43	7	27
164, 375	Hunic, Charles, and Abraham S. Jenks, Philadelphia, Pa. Driving-bit	June 15, 1875	221	171	7	1021
171, 568	Hull, Aaron J., Sterling, Ill. Wash-board	Dec. 28, 1875	501	294	8	1095
162, 657	Hull, Gordon W. (See Hawkins & Hull.) Hull, John S., Cincinnati, Ohio. Soldering-iron heater	Apr. 27, 1875	1004	322	7	727
165, 166	Hull, Liverus, Boston, Mass. Bed-bottom	July 6, 1875	18	6	8	11
167, 101	Hull, Maurice B., and Andrew Eppler, Brooklyn, N. Y. Ash-sifter	Aug. 24, 1875	901	281	8	352
6, 747	Hull, Thomas, and Nicholas Thomas, Chicago, Ill. Machine for heading bolts. (Reissue)	Nov. 16, 1875	828	260	8	858
161, 338	Humbert, Leroy, assignor of one-half interest to Henry A. Lyon, Sioux City, Iowa. Harness-snap	Mar. 30, 1875	1038	338	7	523
167, 253	Hume, John F., New York, N. Y. Cast-iron pier Humphrey, Charles N. (See Jackson & Humphrey.)	Aug. 31, 1875	1058	329	8	381
164, 000	Humphrey, John D., assignor of one-half interest to William A. Humphrey, New Britain, Conn. Measure and funnel Humphrey, John P. (See Prentiss, Charles H., assignor.) Humphrey, Willard I. (See Baker, David, assignor.) Humphrey, William A. (See Humphrey, John D., assignor.)	June 1, 1875	135	47	7	949
8, 260	Humphrey, William H., Lansingburgh, N. Y. Back of leather brushes (Design)	Apr. 13, 1875			7	610
8, 261	Same. Same (Design)	Apr. 13, 1875			7	610
162, 070	Humphreys, Cyrus W., and James S. McClary, Huntsville, Ohio. Spark-arrester Humphreys, John B. (See Rounds, Thomas W., assignor.) Hurd, Bernhard, et al. (See Hall, Nehemiah, assignor.)	Apr. 13, 1875	427	142	7	639
161, 964	Hungerford, Fayette, Rochester, assignor to Amos C. Stearns, Corning, N. Y. Steam-boiler	Apr. 13, 1875	340	114	7	628
162, 071	Hungerford, Oliver T., New Hartford, Conn. Conductor's punch	Apr. 13, 1875	428	143	7	639
167, 337	Hunt, Almon. (See Price & Hunt.) Hunt, Almon, and Benjamin M. Butterfield, Macomb, Ill.; said Butterfield assignor to said Hunt. Draft-equalizer	Aug. 31, 1875	1130	355	8	391
168, 498	Hunt, Augustus, Philadelphia, Pa. Snatch-block	Oct. 5, 1875	160	52	8	587
164, 0-1	Hunt, Augustus, assignor to Knickerbocker Ice Company, Philadelphia, Pa. Storing and removing ice	June 1, 1875	135	48	7	949
165, 764	Hunt, Charles B., Ithaca, N. Y. Taper-gage	July 20, 1875	594	182	8	115
167, 776	Hunt, Charles B., Springville, Pa. Process of manufacturing twist-drills	Sept. 14, 1875	360	114	8	404
170, 442	Hunt, Charles W., West New Brighton, N. Y. Ore-hoist Hunt, Cyrus D. (See Pillsbury, Daniel D. C., assignor.) Hunt, David W., San Francisco, Cal. Burial-case	Nov. 30, 1875	1117	352	8	914
167, 451	Hunt, Elisha H., Warren, Ohio. Bottle-stopper	Sept. 7, 1875	63	19	8	415
169, 000	Hunt, Elizabeth S., Cleveland, Ohio. Fruit-jar	Oct. 19, 1875	633	215	8	673
170, 172	Hunt, Francis W., East Orange, and William A. Whitehouse, Newark, N. J. Luch-box	Nov. 23, 1875	803	269	8	170
170, 441	Hunt, Frederick K., Leavenworth, Kans. Combined car-coupling, heater-joint, and brake-pipe	Nov. 30, 1875	1117	352	8	914
159, 679	Hunt, Frederick K., Leavenworth, Kans. Combined car-coupling, heater-joint, and brake-pipe	Feb. 9, 1875	414	137 138	7	250
169, 906	Hunt, F. W. (See Pows, Levi W., assignor.) Hunt, George P., Boston, Mass. Paint-brush Hunt, George W. (See Leslie, Ellison, assignor.)	Nov. 16, 1875	596	185	8	827
166, 463	Hunt, Henry C., Newark, N. J. Car-coupling	Aug. 10, 1875	284	85	8	247
159, 680	Hunt, James T., Cleveland, Ohio. Package for paint	Feb. 9, 1875	416	138	7	250
167, 837	Hunt, John C., assignor to Chicago Wheat Steaming Machine Manufacturing Company, Chicago, Ill. Apparatus for steaming grain Hunt, Joseph W. (See Ross, John W., assignor.) (Reissue)	Sept. 21, 1875	435	138	8	483
162, 752	Hunt, R. Finley, Washington, D. C. Process and apparatus for softening and molding celluloid	May 4, 1875	15	6	7	749
166, 610	Hunt, R. J. (See Steele, Richard M., assignor.) Hunt, Reuben, Albion, Mich. Vehicle-top support Hunt, Robert H. (See Mason, Matthew B., assignor.) Hunt, William D., et al. (See Maxson, John, assignor.) Hunt, William W. (See McMeekin & Hunt.)	Aug. 10, 1875	407	125	8	265
6, 709	Hunt, Zebulon, Hudson, N. Y., assignor, by mesne assignment, to Perry & Co. Coal-stove (Reissue)	Oct. 19, 1875	737	241	8	684
169, 172	Hunt, Zebulon, Hudson, N. Y. Heating-stove	Oct. 26, 1875	836	272	8	706
167, 102	Hunter, Andrew, Quincy, Ill. M.ddlings-purifier Hunter, Andrew G. (See Eichbaum & Hunter.)	Aug. 24, 1875	902	281	8	352
163, 377	Hunter, Frelinghuysen R., Tiltonville, Ind. Corn-sheller	May 18, 1875	630	202	7	853
163, 779	Same. Burglar-alarms	May 25, 1875	1000	317	7	909
161, 236	Hunter, George, Elgin, N. Y. Main-spring for watches	Mar. 23, 1875	923	302	7	500
164, 455	Hunter, George, Payson, Ill. Car-sorter Hunter, George R. (See Hunter, John S. M. and George R.) Hunter, George W., assignor of one-half interest to William F. Stone, Philadelphia, Pa. Holder for brooms	June 15, 1875	597	194	7	1030
168, 255	Same. Track-lifter	June 8, 1875	243	83	7	975
161, 041	Hunter, James A., Peoria, Ill. Floor-shield for stoves	Sept. 25, 1875	837	267	8	541
160, 099	Hunter, James B., Ashley, Ill. Gang-plow	Mar. 23, 1875	740	243	7	477
7, 982	Hunter, James E., North Adams, Mass. Side of a tulling-mill case (Design)	Feb. 23, 1875	834	274	7	3-9
		Jan. 5, 1875			7	5

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171, 569	Hunter, James M. and George R., Clarinda, Iowa. Land roller and marker.....	Dec. 28, 1875	901	295	8	1095
	Hunter, John K. (See Patterson, Lemuel, assignor.)					
	Hunter, Milo, et al. (See Christy, John, assignor.)					
167, 767	Hunter, William R., Toledo, assignor to Edward W. Kelley, Painesville, and Joseph G. Fisher, Toledo, Ohio. Car-coupling.....	Sept. 14, 1875	361	114	8	464
161, 514	Hunting, Newton C., Lincoln, Ill. Cartridge-shell.....	Mar. 30, 1875	1211	389	7	545
	Hunting, William M. (See Le Roy & Hunting.)					
172, 558	Hunting, William W., Aiken, S. C. Automatic fan.....	Apr. 27, 1875	920	295	7	716
160, 597	Huntington, Gideon, Toronto, Canada. Washing-machine.....	Mar. 9, 1875	319	108	7	403
171, 135	Huntington, John, Cleveland, Ohio. Device for impregnating timber with antiseptic fluids.....	Dec. 14, 1875	478	150	8	1018
	Same..... same.....	Dec. 14, 1875	459	150	8	1019
171, 136	Huntington, John D. (See Dennison, Albert S., assignor.)					
168, 643	Huntington, Joseph D., Chicago, Ill. Tool for turning emery-wheels.....	Oct. 11, 1875	326	106	8	618
163, 674	Huntley, William W., Abel P. Holcomb, and August Heine, Silver Creek, N. Y. Mouldings-purifier.....	May 11, 1875	332	168	7	798
163, 593	Hunton, Robert W., Fall River, Mass. Stopping-mechanism for railway-heads.....	May 25, 1875	845	267	7	888
161, 204	Huntoon, Benjamin B., Louisville, Ky. Relief-plate for printing, &c.....	May 11, 1875	453	.....	7	813
	Huntoon, George H. (See Edwards & Huntoon.)					
169, 705	Hutotress, William, Richmond, Va. Invalid-bedstead.....	Nov. 9, 1875	387	121	8	793
	Hunting, Benjamin, et al. (See Hamilton, Alexander, assignor.) (Reissue.)					
6, 641	Hunzinger, George, New York, N. Y. Reclining-chair.....	Sept. 14, 1875	408	131	8	472
160, 198	Hupplesberg, Frederick W., Brooklyn, N. Y. Braiding-machine.....	Feb. 23, 1875	916	{ 301 } { 302 }	{ 7 }	330
167, 536	Hurd, George H., Clinton, assignor to A. E. Bracket, Branford, Conn. Oar-lock.....	Sept. 7, 1875	139	42	8	426
	Hurd, George H. (See Davis, James S., assignor.)					
170, 858	Hurd, Lorenzo D., assignor of one-half interest to Thomas Puller, Wellsville, N. Y. Running-gear.....	Dec. 7, 1875	179	61	8	974
169, 995	Hurd, Seth T., Genie, N. H., assignor to self and Thomas Sanderson, Lawrence, Mass. Loom-shuttle check and binder.....	Nov. 16, 1875	669	210	8	837
6, 549	Hurd, William C., Watertown, Conn. Door.....	July 20, 1875	768	235	8	139
161, 684	Same..... Door-bolt.....	Apr. 6, 1875	82	29	7	581
161, 965	Same..... Door.....	Apr. 13, 1875	341	114	7	628
171, 137	Huret, Narcisse, Paris, France. Vehicle.....	Dec. 14, 1875	460	151	8	1019
	Hurlburt, Charles A. (See Hayton & Hurlburt.)					
165, 099	Hurlburt, Charles A., Ypsilanti, Mich. Buck-saw frame.....	June 29, 1875	1802	386	7	1126
162, 172	Hurlburt, J. Burrell, assignor of one-half interest to William P. Dickinson, Chicago, Ill. Apparatus for laying cement pavement in blocks.....	Apr. 20, 1875	540	{ 177 } { 178 }	{ 7 }	661
	Hurst, Ernst. (See Wanner, Joseph, assignor.)					
	Hurtz, William P. (See Winter, Henry, assignor.)					
	Husbands, Joseph D. (See Philbrick, Warren C., assignor.) (Reissue.)					
159, 246	Husbands, Joseph D., jr., assignor to American Fire Kindler Company, Saint Louis, Mo. Fire-kindler.....	Jan. 19, 1875	661	215	7	123
161, 012	Huse, George A., Newburyport, Mass. Car-starter.....	Mar. 23, 1875	741	244	7	477
168, 024	Husher, Elijah, Scott Dale, Pa. Churn.....	Sept. 21, 1875	594	190	8	567
162, 387	Huskamp, Anton, Montague, Mich. Cap-box.....	Apr. 20, 1875	741	241	7	685
6, 660	Huson, Edgar, Ithaca, N. Y., assignor, by mesne assignments, to Eliza G. Halsey. Wagon.....	Sept. 28, 1875	290	284	8	555
158, 942	Hussey, Albert B., New York, N. Y. Chimney-cap.....	Jan. 19, 1875	568	188	7	117
158, 943	Hussey, Charles A., New York, N. Y. Brush.....	Jan. 19, 1875	569	189	7	117
159, 824	Same..... Car-axle box.....	Feb. 16, 1875	565	18	7	275
166, 527	Same..... Electro-magnetic engine.....	Aug. 10, 1875	353	102	8	254
164, 069	Hussey, Elisha C., Rutherford Park, N. J. Reversible latch.....	June 8, 1875	243	84	7	975
6, 438	Hussey, John H., Baltimore, Md., assignor, by mesne assignments, to Adler, Clement & Wiel and Elbridge W. Bubier. Shoe.....	May 18, 1875	812	256	7	876
159, 181	Hussey, John H., assignor of one-half interest to Adler, Clement & Wiel, Baltimore, Md. Machinery for forming shoe-tips.....	Jan. 26, 1875	811	266	7	157
168, 256	Hussey, John H., assignor to Abraham S. Adler, Lewis P. Uriel, James Clement, and John H. Hussey, Baltimore, Md. Machine for beating leather.....	Sept. 28, 1875	838	267	8	548
166, 876	Hussey, Marcus L. M., Menlo Park, assignor of one-half interest to George W. Barker and William Ettinger, Jersey City, N. J. Compound telegraph-key.....	Aug. 17, 1875	671	208	8	311
158, 842	Hussey, Sylvanus, Gowanda, N. Y. Pulling-mill.....	Jan. 19, 1875	473	159	7	105
	Hussey, Wells & Co. (See Holmes, Josiah, assignor.)					
2, 493	Hussmann, Luder G., Gutterberg, N. J. Tobacco-pipe stem.....	July 20, 1875	.....	.....	8	95
169, 525	Husted, Julius H., Chicago, Ill. Fastener for meeting-rails of sashes.....	Mar. 9, 1875	256	87	7	394
166, 528	Hutchin, Isaac W., Clinton, Ill. Harrow.....	Aug. 10, 1875	336	103	8	254
161, 792	Hutchings, Charles, Kansas City, Mo. Rein-holder.....	Apr. 6, 1875	172	59	7	594
	Hutchings, George S. (See Nordstrom & Hutchings.)					
	Hutchings, Hezekiah. (See Lucky, Mahlon M., assignor.)					
162, 173	Hutchins, Charles, Carthage, Mo. Corn-planter.....	Apr. 20, 1875	541	178	7	661
	Hutchins, Stilson, et al. (See Berryman, Bayard A., assignor.)					
170, 952	Hutchinson, Elias S., Baltimore, Md. Filter for liquids holding solid impurities.....	Dec. 14, 1875	781	95	8	596
162, 658	Hutchinson, Frank E. (See Holliday, James G., assignor.)					
	Hutchinson, James B., Cambridge, and George W. Fairfield, Boston, Mass. Tea and coffee pot.....	Apr. 27, 1875	1005	322	7	727
	Hutchinson, James R. (See Armstrong, Edward, assignor.)					
169, 706	Hutchinson, Jehiel B., Spring Valley, Minn. Cover for tumbling rods.....	Nov. 9, 1875	388	122	8	793
	Hutchinson, John A. (See Armstrong & Hutchinson.)					
166, 777	Hutchinson, John W., Baltimore, Md. Shirt.....	Aug. 17, 1875	579	178	8	298
165, 834	Hutchinson, Moses, Owatonna, Minn. Butter-worker.....	July 20, 1875	697	212	8	128
164, 090	Hutchinson, Samuel, jr., Salem, Mass. Machine-oiler.....	June 8, 1875	244	84	7	975
161, 415	Hutchinson, Thomas, Chicago, Ill. Bill-file.....	Mar. 30, 1875	1115	360	7	532
	Hutchison, James. (See Gerbardt, John, assignor.)					
8, 399	Hutchison, James, Newark, N. J., assignor to Thomas Potter, Sons & Co., Philadelphia, Pa. Oil-cloth.....	June 15, 1875	.....	.....	7	1014
8, 400	Same..... same.....	June 15, 1875	.....	.....	7	1014
8, 401	Same..... same.....	June 15, 1875	.....	.....	7	1014
8, 402	Same..... same.....	June 15, 1875	.....	.....	7	1014
8, 403	Same..... same.....	June 15, 1875	.....	.....	7	1014
160, 327	Hutchison, James A., Pittsburgh, Pa. Balanced valve.....	Mar. 2, 1875	64	23	7	358
164, 456	Hutchison, James A., and John W. Govier, Pittsburgh, Pa.; said Govier assignor to said Hutchison. Steam-engine-valve gear.....	June 15, 1875	593	194	7	1030
	Hutchison, M., et al. (See Hearn, William G., assignor.)					
	Huth, Louis C., et al. (See Harris, Charles C., assignor.)					
168, 499	Hutton, Jesse M., Richmond, Ind. Construction of caskets and coffins.....	Oct. 5, 1875	161	52	8	587

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr-g.	Vol.	Page.
159, 097	Hutton, William, Philadelphia, Pa. Flask for casting pulleys.	Jan. 26, 1875	736	243	7	147
169, 105	Hyams, Hyam J., Pittsburgh, Pa., assignor of one-half interest to Peter L. Bannen. Carbureter.	Oct. 26, 1875	777	252	8	697
	Hyatt, Charles J. (See Voth & Hyatt.)					
	Hyatt, Charles M. (See Hyatt, John W. and Charles M.)					
	Same..... (See Hyatt, Isaiah S., John W., and Charles M.)					
162, 072	Hyatt, Charles M., Albany, N. Y., assignor to Embossing Company. Domino.	Apr. 13, 1875	428	143	7	639
161, 515	Hyatt, Frank A., Denison, Tex. Air-cooling apparatus.	Mar. 30, 1875	1212	369	7	545
	Hyatt, Isaiah S. (See Hyatt, John W. and Josiah S.)					
164, 840	Hyatt, Isaiah S. and John W., Newark, N. J., and Charles M. Hyatt, Albany, N. Y., assignors to Embossing Company. Machine for spotting cinnones.	June 22, 1875	951	308	7	1086
	Hyatt, John W. (See Hyatt, Isaiah S., John W., and Charles M.)					
159, 681	Hyatt, John W., Newark, N. J., and Charles M. Hyatt, Albany, N. Y. Slate-frame.	Feb. 9, 1875	417	139	7	250
160, 199	Hyatt, John W. and Charles M., Newark, N. J. Box-machine and box.	Feb. 23, 1875	917	302	7	331
164, 648	Hyatt, John W. and Isaiah S., Newark, N. J. Comb-cutting machine.	June 22, 1875	774	254	7	1063
165, 234	Hyatt, John W. and Isaiah S., Newark, N. Y., assignors to Celluloid Manufacturing Company, New York, N. Y. Grinding-wheel.	July 6, 1875	84	.....	8	20
6, 630	Hyatt, Theodore, New York, N. Y. Illuminating-tile (Reissue).	Sept. 7, 1875	193	62	8	433
165, 835	Same..... same	July 20, 1875	698	212	8	128
166, 107	Same..... Fire-proof safe	July 27, 1875	568	298	8	178
	Hyberger, Frank. (See Hyberger, John D. and Frank.)					
170, 269	Hyberger, John D. and Frank, Timber Ridge, Tenn. Fence.	Nov. 23, 1875	947	296	8	882
164, 303	Hyde, Charles, Chelmsford, Mass. Stove.	June 8, 1875	440	146	7	1001
	Hyde, George W. (See Wallace & Hyde.)					
166, 611	Hyde, James P., assignor to Frederick A. Baldwin, New York, N. Y. Stuffing-box and valve mechanism for hydrants, &c.	Aug. 10, 1875	408	125	8	265
171, 514	Hyde, James P., assignor to McNab and Harlin Manufacturing Company, New York, N. Y. Water-closet valve.	Dec. 28, 1875	853	278	8	1087
6, 389	Hyde, James E., Troy, N. Y. Cooking-stove. (Reissue)	Apr. 20, 1875	813	264	7	694
6, 390	Same..... Reservoir cooking stove. (Reissue)	Apr. 20, 1875	816	264	7	694
159, 327	Hyde, John A., Englewood, N. J. Runner attachment for vehicles	Feb. 2, 1875	83	28	7	195
170, 373	Hyde, Joseph, Wilmington, Del. Pipe-joint.	Nov. 23, 1875	1037	325	8	894
170, 566	Hyman, John, assignor of two-thirds interest to Almon Warner, Belvidere, N. J. Wheel-hub.	Nov. 30, 1875	1232	388	8	930
162, 477	Hyman, John H., Tippecanoe City, Ohio. Vehicle-wheel hub.	Apr. 27, 1875	850	273	7	707
165, 836	Hymer, Stewart B., Terre Haute, Ind. Candy-spinner	July 20, 1875	699	213	8	123
166, 778	Hynson, Joseph H., Alexandria, La. Sugar cooling and draining apparatus.	Aug. 17, 1875	579	178	8	258
170, 953	Hynson, Nathaniel O., New Orleans, La. Mode of strapping packages with wire.	Dec. 14, 1875	783	95	8	996
159, 577	Hyslop, John, Jr., assignor to Hiram H. and George O. Jenkins, Abington, Mass. Machine for making metal shoe-banks.	Feb. 9, 1875	326	107	7	237
6, 810	Ide, Albert L., Springfield, Ill. Steam-radiator (Reissue).	Dec. 21, 1875	784	259	8	1070
	Iden, Henry, et al. (See Clough, Theodore, assignor.)					
169, 173	Iden, Henry, New York, N. Y. Lamp-lighting apparatus.	Oct. 26, 1875	837	272	8	706
16, 617	Iden, James C., Buckingham Township, Pa. Safety-pocket.	Apr. 6, 1875	24	10	7	572
8, 508	Ihlenburg, Herman, assignor to MacKellar, Smiths & Jordan, Philadelphia, Pa. Font of printing-types. (Design)	May 4, 1875	.....	.....	7	742
8, 314	Same..... same. (Design)	May 4, 1875	.....	.....	7	742
8, 644	Same..... Printing-type. (Design)	Sept. 7, 1875	.....	.....	8	403
	Iler, John W. (See Iler, William, assignor.)					
159, 098	Iler, William, assignor to self and John W. Iler, Shreveport, La. Device for baling cotton.	Jan. 26, 1875	737	243	7	147
167, 452	Iles, George, Montreal, Canada. Mariner's compass	Sept. 7, 1875	63	20	8	415
167, 338	Iles, Henry J., Seymour, assignor to self and Henry Maiden, Bridgeport, Conn. Door-bolt.	Aug. 31, 1875	1130	355	8	391
162, 927	Ilingworth, Benjamin, assignor of two-thirds interest to R. S. Benson and A. M. Mott, Hampton, Iowa. Harvester.	May 4, 1875	172	57, 58	7	770
166, 700	Ilingworth, John, Newark, N. J. Mold for ingots.	Aug. 17, 1875	507	155	8	257
	Isley & Co., S. A. (See Camp, Joseph E., assignor.)					
	Same..... (See Isley, Silas A., assignor.)					
163, 075	Isley, Silas A., assignor to S. A. Isley & Co., New York, N. Y. Canister.	May 11, 1875	335	109	7	798
160, 675	Imbach, Martin G., Brooklyn, N. Y. Windlass.	Mar. 9, 1875	383	130	7	413
162, 673	Imboden, John D., Richmond, Va. Car-axle box.	Apr. 13, 1875	429	143	7	639
170, 374	Imboden, John D., assignor, by mesne assignments, to Richmond Car Lifter Company, Richmond, Va. Railway-car lifter.	Nov. 23, 1875	1037	326	8	895
170, 443	Imbaeuser, William, Brooklyn, N. Y. Watchman's time-detector.	Nov. 30, 1875	1119	352	8	914
160, 676	Inlay, Charles G., assignor to the American Car Fare Register Company, Philadelphia, Pa. Fare-box.	Mar. 9, 1875	384	130	7	413
	Immel, David. (See Boswell & Immel.)					
169, 811	Inray, John, London, England. Switch signal.	Nov. 9, 1875	494	155	8	806
	Indestructible Building Material Company. (See Lyon, Arza T., assignor.)					
	Indiana Car Company. (See Shield, David, assignor.)					
159, 578	Incsly, Edwin J., New York, N. Y. Hair-holder.	Feb. 9, 1875	326	107	7	237
	Ingalls, Gustavus W. (See Parker, William D., assignor.)					
	Ingalls, G. W. (See Wilcox, Alfred W., assignor.) (Reissue.)					
170, 567	Ingalls, Justus K., New York, N. Y. Vant-cover.	Nov. 30, 1875	1233	388	8	930
158, 244	Ingalls, Nathaniel P., Saint Paul, Minn. Thill-coupling.	Jan. 19, 1875	569	189	7	117
163, 014	Ingalls, Samuel S., Chicago, Ill. Gas-regulator.	May 11, 1875	276	89	7	791
167, 453	Ingalls, William A., Alton, assignor to Ruthven W. Pike, Chicago, Ill. Link.	Sept. 7, 1875	65	20	8	415
	Ingersoll, Ebon C. (See Strong, Samuel, assignor.)					
160, 913	Ingersoll, Platt G., Brooklyn, N. Y. Bed-bottom.	Mar. 16, 1875	616	201	7	451
	Ingersoll Rock Drill Company. (See Ingersoll, Simon, assignor.) (Reissue.)					
6, 292	Ingersoll, Simon, Brooklyn, assignor, by mesne assignments, to Ingersoll Rock Drill Company, New York, N. Y. Machine for drilling rock. (Reissue)	Feb. 16, 1875	730	{ 242 } { 243 }	} 7	297
6, 293	Same..... Rock-drill. (Reissue.)	Feb. 16, 1875	732	241	7	297
168, 257	Inghels, Alphonse, Termonde, Belgium. Awning.	Sept. 28, 1875	838	278	8	544
	Inglis, James. (See Inglis, William and James.)					
	Inglis, Nicholas. (See Bulger & Inglis.)					
162, 074	Inglis, William, Bolton, England, and James Inglis, Montreal, Canada. Marine grain-vessel.	Apr. 13, 1875	430	143	7	639
	Ingraham, George W. (See Phelps, Gilson V., assignor.)					
162, 174	Ingraham, Lewis S., Florence, Mass. Skate.	Apr. 20, 1875	742	178	7	661
168, 025	Innes, David K., Cincinnati, Ohio. Composite mantel for fire-places.	Sept. 21, 1875	595	190	8	507
	Insull, Thomas. (See Spicer & Insull.)					
	Ionia Shingle Machine Manufacturing Company. (See Austin, James E., assignor.)					
	Irelan, Lambert. (See Rawlings & Irelan.)					





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159, 415	Jacoby, Gottfried, assignor to Canal and Claiborne Street Railway Company, New Orleans, La. Draw-head for street-cars.	Feb. 2, 1875	157	53	7	206
158, 714	Jacoby, John G. (See Jacoby, George D., assignor.)					
159, 825	Jacoby, Sigmund, New York, N. Y. Packing cigars.	Jan. 12, 1875	336	115	7	71
159, 929	Same.....Cigar-box	Feb. 16, 1875	566	188	7	275
171, 571-	Same.....Cigar-packing implement	Feb. 16, 1875	663	219	7	288
166, 529	Jacoby, William T., Uniontown, Pa. Railway-bulletin box.	Dec. 28, 1875	903	295	8	1095
160, 680	Jado, Joseph G., Matamoras, Pa. Truss.	Aug. 10, 1875	337	103	8	254
165, 235	Jaeger, Gustav L., New York, N. Y. Hat-box	Mar. 9, 1875	387	131	7	413
166, 613	James, Alfred, Seymour, Ind. Automatic air-brake for cars.	July 6, 1875	84	25, 26	8	20
162, 824	James, Bushrod W., Philadelphia, Pa. Spring-clasp for holding currency, &c.	Aug. 10, 1875	409	136	8	265
169, 174	James, Christopher, Bristol, England. Apparatus for exhausting and propelling air.	May 4, 1875	80	26, 27	7	757
170, 859	James, Debra C. (See Guy, Henry M., assignor.)	Oct. 26, 1875	837	272	8	706
171, 138	James, Eben, Tyngsborough, assignor to Benjamin F. Stevens, Lowell, Mass. Machine for making boxes.	Dec. 7, 1875	180	61	8	975
159, 827	James, Henry, assignor to Gifford Brothers, Hudson, N. Y. Hydrant-valve.	Dec. 14, 1875	460	151	8	1019
163, 586	James, John W., and Josiah Streit, assignors to Josiah and James Streit, Centre Town, Mo. Washing-machine	Feb. 16, 1875	568	189	7	275
162, 559	James, Joseph, Bosanquet, Canada. Bag-holder	July 13, 1875	444	134	8	78
169, 001	James, Remington, et al. (See Winne & Kent, assignors.)					
6, 525	James, Theodore, North Adams, Mass. Lantern-handle	Apr. 27, 1875	921	295	7	716
6, 526	Jamison, Edward T. (See Quinn, John J., assignor.)					
6, 345	Jamin, Nicolaus, New York, N. Y. Process of forming a tight joint between the mouth-piece and lid of gas-retorts.	Oct. 19, 1875	653	215	8	673
6, 525	Jamison Boot and Shoe Crimping Machine Company, S. W. (See Jamison, Samuel W., assignor.)					
6, 526	Jamison, Samuel W., Newark, N. J., assignor, by mesne assignments, to S. W. Jamison & Co. Machine for crimping leather for boots and shoes.	June 29, 1875	1254	403	7	1135
6, 345	Same.....Crimping-machine	June 29, 1875	1258	403	7	1135
160, 019	Jancs, Charles P., Boston, assignor, by mesne assignments, to William D. Atkinson, jr., Lynn, Mass. Atomizer.	Mar. 23, 1875	1011	330	7	512
8, 708	Janin, Albert C. (See Jas, Auguste, assignor.)					
6, 770	Jansounean, Joshua, Newark, N. J. Toy wing-wheel	Feb. 23, 1875	767	253	7	309
6, 515	Jaquez, George, Boston, Mass. Bottle	Oct. 11, 1875			8	600
166, 383	Jaquith, Jerome N. B. (See Bidwell & Jaquith.)					
6, 771	Jarboe, John W. (See Gandolfo, Joseph, assignor.)					
6, 515	Jarboe, John W., Green Point, N. Y. Paper wagon-body	Nov. 30, 1875	1320	417	8	941
162, 681	Same.....sauce	Nov. 30, 1875	1321	417	8	941
164, 175	Jarboe, John W., Green Point, assignor to self and Joseph Gandolfo, Brooklyn, N. Y. Machine for pressing sugar into blocks	June 29, 1875	1245	400	7	1133
161, 237	Jarecki, Frederick. (See Crowell, Helen C., assignor.)					
162, 659	Jarell, Edwin, Thorntown, Ind. Thill-coupling	Mar. 9, 1875	388	131	7	413
164, 175	Jarell, James, Thorntown, Ind. Tongue-support	June 8, 1875	319	109	7	985
162, 076	Jarvis, Stephen, et al. (See Adams, Calvin, assignor.)					
162, 659	Jas, Auguste, assignor of one-half interest to Albert C. Janin, New Orleans, La. Condenser for ice-machines	Mar. 23, 1875	924	302	7	500
164, 457	Same.....Refrigerating-tank for ice-machines.	Apr. 27, 1875	1006	322	7	727
168, 500	Same.....Apparatus for cooling and circulating air in buildings.	Apr. 27, 1875	1007	323	7	727
168, 501	Jas, Auguste, New Orleans, La. Dissolving tubasic phosphate of lime in water containing carbonic acid.	June 15, 1875	599		7	1030
164, 176	Jas, Auguste, assignor of one-half interest to Albert C. Janin, New Orleans, La. Ice-machine	Oct. 5, 1875	161	53	8	588
171, 286	Jas, Auguste, New Orleans, La. Condenser for ice-machines	Oct. 5, 1875	162	53	8	588
167, 254	Jasper, Carl E. F. (See Donath & Jasper.)					
162, 076	Jasper, George P., Freeburgh, Ill. Feed-water heater and filter.	June 8, 1875	320	109	7	985
164, 092	Jay, James M., New York, assignor to self and George Lester, Brooklyn, N. Y. Machine for cutting glaziers' points	Dec. 21, 1875	627	205	8	1049
167, 254	Jaynes, Daniel W. (See Stout, Alonzo D., assignor.)					
165, 587	Jaynes, John Q., assignor of one-half interest to Samuel B. Mayer, Cincinnati, Ohio. Vapor-burner	Apr. 13, 1875	432	144	7	640
164, 092	Jeanjaquet, Eugene, Springfield, Ill. Safety-wheel for watches	June 8, 1875	245	84	7	975
167, 254	Jeans, William F., and David H. Bailey, Ferndale, Cal. Machine for counting stock.	Aug. 31, 1875	1059	{ 329 330	8	3 1
165, 587	Jeantand, Charles, Paris, France. Vehicle-wheel	July 13, 1875	444	135	8	78
164, 177	Jebb, Thomas A. (See Brush, Louis, assignor.)					
170, 173	Same.....(See Safford, James B., assignor.)					
166, 780	Jefferys, John. (See Weich & Jefferys.)					
170, 173	Jefferys, John C. W., Tottenham Court Road, England. Stud-fastening	June 8, 1875	321	109	7	985
166, 780	Jefferys, Charles L., Jamestown, N. Y. Process of converting cast-iron into steel	Nov. 23, 1875	863		8	170
170, 088	Jeffrey, Henry, Seymour, Ind. Vehicle-spring	Aug. 17, 1875	581	179	8	298
159, 329	Jeffrey, John E., Brooklyn, N. Y. Manufacture of paper boxes	Nov. 16, 1875	760	240	8	549
8, 716	Jeffries, John P., Wooster, Ohio. Composition tile for roofing and paving.	Feb. 2, 1875	84	28	7	195
6, 628	Jenckes, Charles M., New York, N. Y., assignor to Bloomfield Brower. Inkstand. (Design)	Oct. 11, 1875			8	600
168, 644	Jenckes, Welcome, Manchester, N. H., assignor to George Draper & Son. Spinning-ring	Sept. 7, 1875	196	61	8	433
167, 669	Same.....(Reissue.)	Oct. 11, 1875	327	106	8	618
158, 498	Jenifer, Gustavus L. S., Cincinnati, Ohio. Compound for soap.	Sept. 14, 1875	268		8	451
171, 920	Jenison, Luman, et al. (See Gue, Albert F., assignor.)					
171, 921	Jenkins, Charles W., Richmond, Va. Steel brush for cleaning castings.	Jan. 5, 1875	132	44	7	27
171, 920	Jenkins, David. (See Gethin, Jenkins & Gardner.)					
171, 920	Jenkins, George O., et al. (See Hyslop, John, jr., assignor.)					
171, 921	Jenkins, Harry M., New York, N. Y. Sail-maker's needle	Dec. 28, 1875	963	311	8	1103
171, 921	Same.....Sewing-machine needle	Dec. 28, 1875	963	312	8	1103
	Jenkins, Henry S. (See Putnam, William E., assignor.)					
	Jenkins, Hiram H., et al. (See Hyslop, John, jr., assignor.)					
	Jenkins, H. S., et al. (See Fitzgerald, Walter, assignor.)					
	Jenkins, J. H., et al. (See Starkweather, John B., assignor.)					

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171, 384	Jenkins, John L., and Augustus W. Richards, Silver Run, Ala. Varnish	Dec. 21, 1875	711	.....	8	1061
164, 304	Jenkins, Joseph C., assignor of one-half interest to James G. Jolley, Lebanon, Tenn. Cotton-seed planter	June 8, 1875	441	146	7	1001
166, 278	Jenkins, Joseph C., assignor to self and James G. Jolley, Lebanon, Tenn. Cultivator	Aug. 3, 1875	84	26	8	211
160, 328	Jenkins, Raymond. (See Hubbell, William L., assignor.)					
168, 398	Jenkins, William, Newark, N. J. Machine for tinning sheet-copper	Mar. 2, 1875	65	23	7	358
	Jenkins, William H., Philadelphia, Pa. Feed-water apparatus for steam-boilers	Oct. 5, 1875	70	25	8	575
165, 837	Jenks, Abraham S. (See Illic & Jenks)					
6, 256	Jenks, Barton H., Philadelphia, Pa. Apparatus for hydrating gas	July 20, 1875	700	213	8	138
167, 903	Jenks, Henry P., Pawtucket, assignor, by mesne assignments, of one-half interest to Daniel H. Arnold, Lincoln, R. I. Sash-supporter. (Reissue)	Jan. 26, 1875	881	286	7	167
160, 209	Jenks, Plympton E., Petrolia City, Pa. Sucker-rod socket	Sept. 21, 1875	494	156	6	492
165, 334	Jenne, Thomas J., Gouverneur, N. Y. Press	Feb. 23, 1875	918	302	7	341
161, 124	Jenner, Stephen R., Milltown, Ind. Turbine water-wheel	July 6, 1875	173	53	8	32
165, 236	Jenness, John S., Bangor, Me. Combined knife, cork-screw, and shield	Mar. 23, 1875	822	269	7	487
170, 476	Jenness, Orlando, Alton, N. H. Brush	July 6, 1875	87	26	8	21
164, 342	Jennings, Byron, San José, Cal. Pipe-joint	Nov. 30, 1875	1150	362	8	918
164, 346	Jennings, George, London, Great Britain. Apparatus for disinfecting water-closets	June 22, 1875	952	369	7	1086
6, 616	Jennings, Josiah G., Stangate, Engla d. Water-closet. (Reissue)	Aug. 24, 1875	960	299	8	360
6, 820	Jennings, Ralph S., Philadelphia, Pa., assignor to self and Norman G. Kellogg, Envelope. (Reissue)	Dec. 21, 1875	795	262	8	1071
169, 444	Jennings, Timothy, Moulton, Iowa. Wagon-box	Nov. 2, 1875	111	35	8	750
171, 287	Jensen, Jens, Racine, Wis. Manufacture of hound-plates for vehicles	Dec. 21, 1875	628	205	8	1049
171, 288	Same. Blank-bar for wagon-tongue caps	Dec. 21, 1875	629	206	8	1049
160, 301	Jenty, Charles, Paris, France. Compound for gas-fuel	Feb. 23, 1875	919	.....	7	331
169, 907	Jepson, Joseph, Philadelphia, Pa. Rolling-mill	Nov. 16, 1875	997	186	8	827
159, 182	Jerals, Silas E., et al. (See Peck, Franklin, assignor.)					
161, 125	Jeremiah, George A., New York, N. Y. Street-sprinkler	Jan. 26, 1875	812	266	7	158
8, 569	Jermain, Louis, Green Island, assignor to George A. Mosher, Troy, N. Y. Blind-stop	Mar. 23, 1875	823	269	7	487
	Jerome, Luther E., assignor to New Haven Clock Company, New Haven, Conn. Clock-case door. (Design)	Aug. 17, 1875	.....	.....	8	281
167, 339	Jerome, William R. (See Barry, Job R., assignor.)					
8, 658	Jerrold, John E., assignor to self, Orrin Lake, William Newberry, and James F. Caldwell, Meadville, Pa. Device for securing boiler-tubes	Aug. 31, 1875	1131	355	8	391
164, 002	Jewell, Aaron, assignor to Washington Mills, Lawrence, Mass. Fancy worsted or woolen fabric. (Design)	Sept. 21, 1875	.....	.....	8	475
158, 417	Jewell, Charles A., Hartford, Conn. Machine-belt	June 1, 1875	126	48	7	949
158, 845	Jewell, Tryon J. M., assignor to Theo. W. Burger and Edwin Gardiner, New York, N. Y. Cotton-press	Jan. 5, 1875	57	20	7	17
162, 478	Jewell, Tryon J. M., New York, N. Y., assignor to Theo. W. Burger, Plainfield, N. J., and Edw. Gardiner, Brooklyn, N. Y. Cotton-press	Jan. 19, 1875	474	159	7	166
166, 990	Jewett, Augustine, Lynn, Mass. Collet for balance-springs of watches	Apr. 27, 1875	851	273	7	707
170, 477	Jewett, Edgar B., Buffalo, N. Y. Cover for water-coolers	Aug. 24, 1875	799	248	8	357
	Same. Refrigerator	Nov. 30, 1875	1151	364	8	918
170, 739	Jewett, Hartley W., et al. (See Buffum, Albion K. P., assignor.) (Reissue)	Dec. 7, 1875	77	24	8	901
161, 794	Jewett, Joseph F. (See Grinter, Thomas W., assignor.)					
162, 825	Jewett, Thomas B., Lawrence, Kans. Churn	Apr. 6, 1875	174	60	7	594
162, 560	Jewsbury, Thomas N. (See Bronson & Jewsbury.)					
168, 335	Jilz, William W., Saint Louis, Mo. Earth-auger	May 4, 1875	81	27	7	757
170, 270	Jincks, Melvin, Wallace, assignor of one-half interest to Francis M. Conley, Cohocton, N. Y. Churn	Apr. 27, 1875	921	295	7	716
164, 376	Jincks, Melvin, Wallace, N. Y. Fish-spear	Oct. 5, 1875	16	6	8	567
	Jingras, Thimothé, Fall River, Mass. Fire-escape	Nov. 23, 1875	948	296 } 297 }	8	882
167, 540	Joelyn, Josiah M. (See Larabee & Jocelyn.)					
160, 100	Joel, Thomas, Ryon Township, Schuylkill County, Pa. Machine for destroying potato-bugs	June 15, 1875	223	172	7	1021
160, 101	Joel, Peter J. (See Bohm, Stuhl & Joeken.)					
163, 660	Joergens, Clemens, Chicago, Ill. Billiard-table	Sept. 7, 1875	142	43	8	426
167, 670	Joerns, Herman. (See Thomas, Charles F., assignor.)					
167, 650	Johns, Thomas (see Rees & Johns.)					
160, 100	Johnson, Nelson E., Chelsea Naval Hospital, Mass. Gun-carriage	Feb. 23, 1875	835	274	7	319
163, 660	Johnson, Theodore. (See Hooper & Johnson.) (Design)	Feb. 23, 1875	836	275	7	319
167, 670	Johnson, Albert F., Parkville, N. Y. Fare-register	May 25, 1875	902	286	7	896
166, 530	Johnson, Albert F., assignor, by mesne assignments, to Samuel T. Thomas, Boston, Mass. Sewing-machine. (Reissue)	Sept. 14, 1875	268	84	8	451
164, 563	Johnson, Albert L., New Orleans, La. Street-railway switch	July 20, 1875	769	235 } 236 }	8	139
161, 044	Johnson, Albert W., and Horace A. Nettleton; said Nettleton assignor to said Johnson, said Johnson assignor of one-half interest to John Matthewman, New Haven, Conn. Pump and check valve	Aug. 10, 1875	338	103	8	255
170, 568	Johnson, Andrew, Youngstown, Ohio. Combined shovel and ash-pan lifter	June 15, 1875	637	223	7	1042
6, 734	Johnson, Charles, assignor of one-half interest to William Scholz, Lansing, Iowa. Car-coupling	Mar. 23, 1875	742	247	7	477
169, 813	Johnson, Charles C., Somerville, Mass., assignor to Horace Partridge. Toy monkey-box. (Reissue)	Nov. 30, 1875	1233	388	8	930
163, 781	Johnson, Charles E., jr., Owego, N. Y. Grain-distributor for seed-drills	Nov. 9, 1875	572	178	8	816
168, 026	Johnson, Charles H., Southington, Conn. Thill-coupling for sleighs	Nov. 9, 1875	496	156	8	87
	Johnson, Chester L. (See Foster, Joseph S., assignor.)	May 25, 1875	1002	318	7	909
159, 762	Johnson, Chester L., Whitesborough, assignor of one-half interest to Benjamin T. Babbitt, New York, N. Y. Machine for rolling metal tubes	Sept. 21, 1875	596	190	8	507
159, 330	Johnson, Daniel A., Boston, Mass. Device for attaching hubs to axles	Feb. 16, 1875	507	170	7	268
158, 418	Johnson, David. (See Johnson, Samuel and David.)					
161, 003	Johnson, De Witt C., Redding, Cal. Chain-propeller	Feb. 2, 1875	85	28	7	195
167, 541	Johnson, Edwin W., assignor to self and Joseph U. Knolle, Foreston, Ill. Middlings-purifier	Jan. 5, 1875	58	29	7	17
165, 588	Johnson, Elias, Wauseon, Ohio. Sash-balance	June 1, 1875	137	48	7	949
160, 826	Johnson, Elmore, and Jackson Barnes, Burlington, Vt. Map	July 13, 1875	446	135	8	78
167, 541	Johnson, Frank G., Chicago, Ill. Station-indicator	Jan. 19, 1875	432	144	7	100
169, 002	Same. Music-leaf turner	Mar. 16, 1875	518	177	7	411
163, 781	Same. same	Sept. 7, 1875	143	44	8	426
167, 541	Johnson, Frank G., New York, N. Y. Health-lift apparatus	Oct. 19, 1875	654	216	8	673
163, 015	Johnson, Frank M., Bristol, Conn. Door-bell	May 11, 1875	277	89	7	791
	Johnson, Frank S. (See Hastings, Glover S., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly Volume.		Official Gazette.	
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	Johnson, Frank S., <i>et al.</i> (See Hastings, Glover S., assignor.)					
	Johnson, G. B. (See Schonmeyer, Friedrich E., assignor.)					
	Same..... (See Wells, William, assignor.)					
171, 023	Johnson, George, Haverstraw, N. Y. Manufacture of hexagonal nuts .....	Dec. 14, 1875	347	116	8	1004
164, 564	Johnson, George F., and Daniel Wilde, Washington, Iowa. Portable boiler.....	June 15, 1875	688	223	7	1042
	Johnson, George H. (See Boudren & Johnson)					
167, 255	Johnson, Heber G., Greencastle, Ind. Check-valve .....	Aug. 31, 1875	1060	330	8	381
162, 229	Johnson, Henry, Washington, D. C. Conductor's punch .....	Apr. 20, 1875	645	211	7	674
161, 339	Johnson, Henry, assignor, by mesne assignments, to Margaret Johnson, Rochester, N. Y. Lamp-chimney attachment.....	Mar. 30, 1875	1039	338	7	523
162, 661	Johnson, Henry M., assignor to Earl A. Thissell, Cyrus C. Pickering, and Edwin Lamson, Lowell, Mass. Die for crimping the halves of split spindles .....	Apr. 27, 1875	1008	323	7	727
170, 377	Johnson, Isaac, Chicago, Ill. Lightning-rod.....	Nov. 23, 1875	1041	327	8	895
	Johnson, James. (See Casey, Aucl & Johnson.)					
167, 671	Johnson, James, Harrowgate, England, assignor to Joseph Wood, Red Bank, N. J., and Edwin R. Bennett, New York, N. Y. Railway-frog point.....	Sept. 14, 1875	270	84	8	451
169, 269	Johnson, James C., Boston, Mass. Rotary steam-engine.....	Oct. 26, 1875	922	299	8	717
8, 011	Johnson, James H., assignor to Johnson Manufacturing Company, Newark, N. J. Ink-staud-base..... (Design)	Jan. 19, 1875			7	93
158, 589	Johnson, Jehu W., Columbus, Tex. Portable fence.....	Jan. 12, 1875	228	76	7	56
165, 000	Johnson, Joe S., Somerville, Tenn. Flower-pot.....	June 20, 1875	1113	359	7	1114
160, 914	Johnson, John, Brooklyn, N. Y. Steam-valve .....	Mar. 16, 1875	617	202	7	451
166, 701	Johnson, John, Hartford, Conn. Spring-bed .....	Aug. 17, 1875	507	155	8	227
170, 954	Johnson, John, Boston, Mass. Fountain-pen.....	Dec. 14, 1875	784	95	8	996
169, 707	Johnson, John, assignor to self, William T. Smith, and Thomas H. Ward, Pery, Ill. Revolving dropper.....	Nov. 9, 1875	389	122	8	793
159, 267	Johnson, John A., Saint Paul, Minn. Plow.....	Feb. 2, 1875	24	8	7	188
168, 399	Johnson, John H., Brooklyn, Mich. Car-coupling.....	Oct. 5, 1875	72	25	8	575
160, 436	Johnson, John M., <i>et al.</i> (See Carroll, Thomas J., assignor.)					
165, 931	Johnson, John M., Stileswell, Ind. Fire-shield.....	Mar. 2, 1875	160	56	7	371
	Johnson, John W., assignor of two-thirds interest to C. M. Manville and E. E. Duffington, Towanda, Pa. Grain-separator.....	July 27, 1875	802	246	8	155
166, 385	Johnson, Josec, New York, N. Y. Fruit-drier.....	Aug. 3, 1875	187	56	8	225
166, 108	Johnson, Josec, New York, N. Y., assignor to Metropolitan Washing Machine Company, Middlefield, Conn. Mangle.....	July 27, 1875	969	298	8	178
167, 904	Johnson, Joseph B., Lynn, Mass. Roller for buffing soles.....	Sept. 21, 1875	494	156	8	492
167, 905	Same..... same.....	Sept. 21, 1875	495	157	8	492
	Johnson, Joseph H. (See Campbell & Johnson.)					
162, 235	Johnson, Lafayette M., Forest City, Mo. Burglar-alarm.....	Apr. 20, 1875	599	196	7	668
163, 378	Same..... Sling for shoeing animals.....	May 18, 1875	630	202	7	833
	Johnson, Llewellyn H. (See Maglaughlin, Alfonso A., assignor.)					
	Johnson Manufacturing Company. (See Johnson, James H., assignor)..... (Design)					
	Johnson, Margaret. (See Johnson, Henry, assignor.)					
169, 643	Johnson, Mary A., Washington, D. C. Clothes-wringer.....	Nov. 9, 1875	324	102	8	785
6, 419	Johnson, Moses, Three Rivers, Mich., assignor to Union Manufacturing Company. Hoe..... (Reissue)	May 4, 1875	252	81	7	780
159, 331	Johnson, Moses, Three Rivers, Mich. Cultivator.....	Feb. 2, 1875	86	29	7	195
159, 332	Johnson, Moses, Three Rivers, Mich., assignor to Union Manufacturing Company. Hoe.....	Feb. 2, 1875	87	30	7	196
165, 735	Johnson, Moses P., Newark, N. J. Sizing-plank for ladders.....	July 20, 1875	594	182	8	115
	Johnson, Nicholas H. (See Johnson, Peter and Nicholas.)					
	Johnson, Oscar A. (See Fogelberg, Carl, assignor.)					
106, 010	Johnson, Peter, Wauconda, and Nicholas H. Johnson, Blackberry, Ill. Miter-box.....	July 27, 1875	875	269	8	165
167, 542	Johnson, R. H., <i>et al.</i> (See Dennison, John N., assignor.)					
	Johnson, Roice W., Fort Dodge, Iowa. Engraving-machine.....	Sept. 7, 1875	143	44	8	426
	Johnson, Rucl M. (See Williams, Aaron B. G. A., assignor.)					
	Johnson, R. W., <i>et al.</i> (See Bell, Jasper N., assignor.)					
167, 890	Johnson, Samuel, Philadelphia, Pa. Steam road-rammer.....	Sept. 21, 1875	437	139	8	483
160, 773	Johnson, Samuel and David, Carlisle, assignor of one-third interest to George W. Harworth, Hartford, Iowa. Wind-wheel.....	Mar. 16, 1875	501	163	7	435
100, 682	Johnson, Samuel H., Stratford, England. Apparatus for crushing stone.....	Mar. 9, 1875	389	132	7	414
166, 279	Same..... Method of and apparatus for separating free sulphur.....	Aug. 3, 1875	84	26, 37	8	211
165, 932	Johnson, Theodore A., Portland, Me. Foot-rest for chairs.....	July 27, 1875	894	246	8	155
161, 043	Johnson, Wallace, Buffalo, N. Y. Butter-worker.....	Mar. 23, 1875	741	244	7	477
165, 001	Johnson, William, Ozaukee, Wis. Bung and bush.....	June 29, 1875	1114	359	7	1114
166, 465	Johnson, William C., Newburyport, Mass. Scale for type-writers.....	Aug. 10, 1875	286	85	8	247
171, 139	Same..... Frisket for type-writing machines.....	Dec. 14, 1875	462	151	8	1019
163, 206	Johnson, William E., Chicago, Ill. Mica lamp-chimney.....	May 11, 1875	454	147	7	814
169, 445	Johnson, William E., and John C. Bowman, Picketts Station, Miss. Transplanter.....	Nov. 2, 1875	112	36	8	750
170, 673	Johnson, William H., Farmer City, Ill. Check-row planter.....	Dec. 7, 1875	18	5	8	953
165, 102	Johnson, William H., assignor of one-half interest to Herbert A. Pitcher and Frederick A. Ray, Delhi, N. Y. Milk-cooler.....	June 29, 1875	1204	387	7	1126
158, 590	Johnson, William J., Boston, Mass. Drying apparatus.....	Jan. 12, 1875	228	77	7	56
6, 649	Johnson, William J., Newton, Mass. Pump..... (Reissue)	Sept. 21, 1875	660	200	8	515
167, 769	Same..... Soap-holder.....	Sept. 14, 1875	362	115	8	464
166, 364	Johnson, William O., Alma, Mich. Stump-puller.....	Aug. 3, 1875	186	56	8	225
169, 814	Same..... Tire-tightener.....	Nov. 9, 1875	497	156	8	807
160, 102	Johnson, Willis H., Springfield, Ill. Pruning-shears.....	Feb. 23, 1875	836	273	7	319
16, 103	Same..... Pruning implement.....	Feb. 23, 1875	837	275	7	319
159, 550	Johnston, Alexander M., and Samuel Gissinger, Pittsburgh, Pa. Safty-valve for steam-boilers.....	Feb. 9, 1875	327	106	7	237
170, 375	Johnston, Allen, Ottumwa, Iowa. Tack-marking attachment for sewing-machines.....	Nov. 23, 1875	1038	328	8	895
	Johnston & Sutphen. (See Sutphen, Carlyle E., assignor.)					
	Johnston, Andrew, <i>et al.</i> (See Reed, John C., assignor.)					
164, 178	Johnston, Arthur, Lockport, N. Y. Thrashing-machine.....	June 8, 1875	321	{ 109 } { 110 }	7	985
	Johnston Brothers. (See Johnston, William A., assignor.)					
	Johnston Harvester Company. (See Cooley, Orville, assignor.)					
	Johnston, James, <i>et al.</i> (See Hardman, John H., assignor.)					
	Johnston, James B. (See Hale & Johnston.)					
167, 175	Johnston, James B., New York, N. Y. Thill-coupling.....	Aug. 31, 1875	994	309	8	372
163, 316	Johnston, James B., assignor to Robert W. Hale, Chicago, Ill. Horseshoe-calk-blank bar.....	May 12, 1875	575	184	7	846
169, 641	Johnston, James L. A., and Charles B. Hopkins, assignors of one-half interest to A. G. Hanback, Topeka, Kans. Blind-slat adjuster.....	Nov. 9, 1875	325	103	8	725

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 256	Johnston, John B., <i>et al.</i> (See Starkweather, John B., assignor.) Johnston, John S., Rockford, Ill. Colter attachment Johnston, Riley. (See Van Duzer & Johnston.) Johnston, William. (See Barton, Robert, assignor.)	Aug. 13, 1875	1061	330	8	381
160, 598	Johnston, William, Shelby, N. Y. Door-hanger	Mar. 9, 1875	319	108	7	423
169, 603	Johnston, William A., assignor to Johnston Brothers, New York, N. Y. Hand-piece for dental engines	Oct. 19, 1875	655	216	8	671
170, 376	Johnstone, William W., Summitville, Ohio. Grain-separator	Nov. 23, 1875	1640	326	8	895
161, 516	Johnstone, William, assignor of one-half interest to William W. Robertson, Montreal, Canada. Bench-plane	Mar. 30, 1875	1213	390	7	545
171, 515	Joint, William, and George B. Dunham, Lynn, Mass. Heel-polishing machine	Dec. 28, 1875	853	279	8	1087
165, 002	Jolley, James G. (See Jenkins, Joseph C., assignor.)					
163, 379	Jouasson, Carl J., Warren, Pa. Smoking-pipe Jones, Albert L., Brooklyn, N. Y. Blank for corrugated paper boxes	June 29, 1875	1114	359	7	1114
160, 437	Jones, Andrew J. (See Hoover, Samuel S., assignor.) Jones, Andrew J., assignor of one-half interest to Henry H. Tinker, Cincinnati, Ohio.	May 18, 1875	631	202	7	833
169, 997	Jones, Ansel D. and Samuel L., Kirksville, Ky. Extension-table	Mar. 2, 1875	161	56	7	371
167, 340	Jones, Anthony A., assignor to self and Julius F. Chesbrough, Utica, N. Y. Car-starter	Nov. 16, 1875	671	210	8	837
160, 329	Jones, Benjamin C., <i>et al.</i> (See Shine, Patrick H., assignor.) Jones, Benjamin F. (See Atkinson, James S., assignor.)	Aug. 31, 1875	1131	356	8	391
162, 388	Jones, Chapman R., Berlin, Ill. Apron for stock-cars Jones, Charles L., Wakefield, Mass. Compound hose-pipe nozzle	Mar. 2, 1875	66	23	7	358
165, 167	Jones, Charles W. (See Jones, Edgar A. and Charles W.) Jones, David D. (See Shoemaker & Jones.) Jones, David D., assignor of one-half interest to Thomas B. Evans, Pittsburgh, Pa. Nut-lock	Apr. 20, 1875	743	242	7	685
162, 561	Jones, Deloss. (See Landphere, Perry F., assignor.) Jones, Dillwyn P., <i>et al.</i> (See West, Augustine C., assignor.)	July 6, 1875	19	6	8	11
158, 499	Jones, Diodorus S., assignor to William H. Douty, Shamokin, Pa. Rotary engine Jones, Edgar A., Sturais, and Charles W. Jones, Centreville, Mich. Fruit-drier	Apr. 27, 1875	922	296	7	716
171, 024	Jones, Edward A., <i>et al.</i> (See Miller & Reeves, assignors.) Jones, Edwin H., administrator. (See Jones, Richard.) Jones, Ephraim A. and John A., Middlesborough, England. Manufacture of iron and steel	Jan. 5, 1875	133	44	7	27
166, 109	Jones, Evan A., Wolcott, Ind. Washing-machine	Dec. 14, 1875	348		8	1004
167, 103	Jones, Evan J., Indianapolis, Ind. Device for supplying steam-blast to furnaces	July 27, 1875	970	299	8	178
165, 237	Jones, Florentine A. (See Dawson, John A., assignor.) Same. (See Pacaud, Eugene J., assignor.)	Aug. 24, 1875	903	282	8	352
166, 206	Jones, George H., Rose, N. Y. Casting turbine wheels Same. Turbine water-wheel	July 6, 1875	87	26	8	21
163, 496	Jones, George M. (See Butz & Jones.) Jones, George R. G. (See Seelhausen, Herman, assignor.) Jones, George R. G., assignor of one-half interest to Joseph W. Allison, Memphis, Tenn. Coupon tag and check	Aug. 3, 1875	21	7, 8	8	202
164, 004	Jones, George S., and Benjamin F. Kidd, Russellville, Ky. Washing-machine	May 18, 1875	741	235	7	867
169, 004	Jones, Gilbert D., Brooklyn, assignor of one-half interest to Albert de la Montagnie, New York, and David Elston, Brooklyn, N. Y. Cube-sugar machine	June 1, 1875	138	49	7	950
160, 827	Jones, Hamilton C., Brooklyn, N. Y. Cording attachment for sewing-machines	Oct. 19, 1875	656	216	8	673
162, 562	Same. Binding attachment for sewing-machines	Mar. 16, 1875	549	178	7	441
169, 550	Jones, Harrison H., Newark, N. J. Snapper-loop for whips	Apr. 27, 1875	923	296	7	716
163, 497	Jones, Harvey P., Keokuk, Iowa, assignor of one-half interest to Wolf H. Anderson, Rock Island, Ill. Oscillating steam-valve	Nov. 2, 1875	211	69	8	763
166, 614	Jones, Henry, <i>et al.</i> (See Reed, William H., assignor.) Jones, Henry B., Burton, assignor of one-half interest to Yard & Sullivan, Galveston, Tex. Bale-tie	May 18, 1875	741	235	7	867
159, 268	Jones, Henry B., Burton, Tex. Cotton-bale tie	Aug. 10, 1875	410	126	8	265
161, 416	Same. Bale-tie	Feb. 2, 1875	25	8	7	188
165, 416	Jones, Horace C., Dowagiac, Mich. Stave-basket	Mar. 30, 1875	1115	360	7	532
165, 417	Same. Grain-basket	July 13, 1875	286	84	8	54
165, 418	Same. Stave-basket	July 13, 1875	286	85	8	55
165, 419	Same. same	July 13, 1875	287	85	8	55
169, 446	Same. same	July 13, 1875	288	85	8	55
169, 447	Same. same	Nov. 2, 1875	113	36	8	750
169, 448	Same. same	Nov. 2, 1875	113	36	8	750
160, 438	Same. same	Nov. 2, 1875	114	36	8	750
165, 110	Jones, James C., New York, N. Y. Removable refrigerator for pails, &c	Mar. 2, 1875	162	56	7	372
159, 930	Same. same	July 27, 1875	971	299	8	178
159, 417	Jones, Jesse A., Raleigh, N. C. Spring bed-bottom	Feb. 16, 1875	663	219	7	288
158, 640	Jones, John A. (See Jones, Ephraim A. and John A.) Jones, John D., Omaha, Nebr. Blind-stop	Feb. 2, 1875	158	53	7	206
158, 641	Same. Manufacture of paper-pulp	Jan. 12, 1875	271	91	7	62
159, 269	Same. Paper box	Jan. 12, 1875	272		7	62
159, 270	Same. same	Feb. 2, 1875	26	9	7	188
162, 236	Same. Paper-tube machine	Feb. 2, 1875	26	9	7	188
6, 517	Jones, John L., Oxford, N. C. Plug-tobacco machine (Reissne.)	Apr. 20, 1875	600	196 197	7	668
164, 179	Jones, John S. (See Ferguson & Jones.) Jones, John T., Lion, N. Y. Sewing-machine take-up	June 29, 1875	1247	401	8	1131
169, 106	Same. Button-hole attachment for sewing-machines	June 8, 1875	323	110	7	985
163, 078	Jones, Joseph M., Paris, Ky. Shifting body for hand-carts	Oct. 26, 1875	778	253	8	697
162, 389	Jones, Justus, Burtonville, N. Y. Hay-elevator	May 11, 1875	337	109	7	778
169, 551	Jones, Louis, jr., New York, N. Y. Sink	Apr. 20, 1875	744	242	7	685
158, 799	Jones, Marquis R., Darien, Wis. Safety-box for revolving shafting	Nov. 2, 1875	211	70	8	763
8, 339	Jones, Melville D., Boston, Mass. Base panel for vases (Design.)	Jan. 19, 1875	433	145	7	100
8, 340	Same. Border for vases (Design.)	May 25, 1875			7	879
8, 341	Same. Panel for vase-pedestals (Design.)	May 25, 1875			7	879
171, 226	Same. Bracket for supporting shelves	May 25, 1875			7	879
163, 317	Jones, Michael, Des Moines, Iowa. Washing-machine	Dec. 21, 1875	571	188	8	1041
171, 140	Jones, Perino Y. (See Freeman & Jones.) Jones, Richard, deceased, by Edwin H. Jones and Henry D. Straw, administrators. Coal-breaking roll	May 18, 1875	575	184	7	846
165, 736	Jones, Samuel G., assignor to self and James M. Jacobs, Moweauqua, Ill. Harrow	Dec. 14, 1875	462	151	8	1019
	Jones, Samuel L. (See Jones, Ansel D. and Samuel L.)	July 20, 1875	595	182	8	115

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	Jones, Thomas, <i>et al.</i> (See Haddock, Worcester, assignor.)					
159, 418	Jones, Thomas, New York, N. Y. Method of ornamenting glass.	Feb. 2, 1875	159	54	7	206
166, 586	Jones, W. Davidson, Haganan's Mills, N. Y. Air-brake.	Aug. 3, 1875	188	56	8	225
169, 005	Jones, William H., Rochester, N. Y. Pavement.	Oct. 19, 1875	658	217	8	673
160, 330	Jones, William J., Hamilton, Ohio. Feed-cutting machine.	Mar. 2, 1875	66	24	7	358
168, 748	Jones, William P., Clio, Iowa. Churn.	Oct. 11, 1875	416	135	8	631
	Jonniaux & Co., Ed. (See Tonillon, Jules, assignor.)					
166, 531	Jonté, Pierre F., Cincinnati, Ohio. Gas-burner.	Aug. 10, 1875	338	103	8	255
168, 258	Jopson, George W., Waterbury, Conn. Key-ring.	Sept. 28, 1875	839	268	8	548
	Jordan, Alson G. (See Alred, John J., assignor.)					
	Jordan, Frank H. (See Linscott, John M., assignor.)					
	Jordan, James C., <i>et al.</i> (See Andrews & Tucker, assignors) (Reissue.)					
8, 245	Jordan, Peter A., assignor to MacKellar, Smiths & Jordan, Philadelphia, Pa. Font of printing-types.	Mar. 30, 1875			7	516
8, 420	Same. same. (Design.)	June 22, 1875			7	1057
167, 159	Jordan, Samuel S., and John C. Stevens, Bath, Me. Truss for ship's yards.	Sept. 28, 1875	754	238	8	536
160, 331	Jordan, William A., assignor to Planters' Cotton Tie Association, New Orleans, La. Bale-tie.	Mar. 2, 1875	67	24	7	358
163, 380	Jordan, William A., New Orleans, La., assignor of one-half interest to George S. Roundbush, Crystal Springs, Miss. Bale-tie.	May 18, 1875	632	203	7	853
	Joseph, George W. (See Hood & Joseph.)					
160, 104	Joseph, Israel and J. Albert, New York, N. Y. Shoe-brush.	Feb. 23, 1875	838	276	7	319
	Joseph, J. Albert. (See Joseph, Israel and J. Albert.)					
160, 526	Joslin, Jacob D., Cleveland, Ohio. Hydraulic hose.	Mar. 9, 1875	256	87	7	394
170, 660	Joslyn, Benjamin F., Worcester, Mass. Wrench.	Dec. 7, 1875	181	62	8	975
170, 089	Joslyn, Benjamin F., Worcester, Mass., assignor to Richard P. Bruff, New York, N. Y. Wrench.	Nov. 16, 1875	761	240	8	849
	Joslyn, John E. (See Shaw, Irvin A., assignor.)					
171, 516	Jouet, Joseph, New Orleans, La. Rice-hulling machine.	Dec. 28, 1875	854	279	8	1087
162, 390	Joyce, Alexander S., Yonkers, N. Y. Hat-musling machine.	Apr. 20, 1875	744	242	7	686
6, 480	Joyce, Joseph L., assignor to Joyce Protection Toe Association, New Haven, Conn. Manufacture of boots and shoes. (Reissue.)	June 8, 1875	497	164	7	1008
161, 238	Joyce, Maurice, Washington, D. C. Seamless mold for electrotypes. (Reissue.)	Mar. 23, 1875	925		9	500
165, 003	Joyce, Stephen, New York, N. Y. Air-tight can.	June 29, 1875	1115	360	7	1114
159, 931	Joyce, Thomas T., New York, N. Y., assignor to Catharine Thomas, Saint Louis, Mo. Brick-machine.	Feb. 16, 1875	664	220	7	288
162, 563	Judd, Albert D., New Haven, Conn. Shutter-fastener.	Apr. 27, 1875	924	296	7	716
165, 737	Same. Picture-frame.	July 20, 1875	595	183	8	115
168, 094	Judd, Charles D., East Haven, Conn. Combination-lock.	Sept. 28, 1875	669	218	8	527
162, 564	Judd, Edward M., Brooklyn, N. Y. Curtain-fixture.	Apr. 27, 1875	924	297	7	717
171, 385	Same. same.	Dec. 21, 1875	712	335	8	1061
170, 740	Judd, Hubert L., Brooklyn, N. Y. Bracket for curtain-rollers.	Dec. 7, 1875	78	25	8	961
	Judd, Lewis S., <i>et al.</i> (See Hamblin, Silvanus, and Stephen M., assignors)					
166, 615	Judd, Lorin F., assignor to North and Judd Manufacturing Company, New Britain, Conn. Bridle-bit.	Aug. 10, 1875	411	126	8	265
163, 079	Judd, Morton, Wallingford, Conn. Sash-fastener.	May 11, 1875	337	110	7	799
166, 111	Judge, Edward S., Philadelphia, Pa. Manufacture of doll-heads, &c.	July 27, 1875	971		8	479
159, 581	Judkins, Mark D., Glenwood, Minn. Grain-separator.	Feb. 9, 1875	328	108	7	238
164, 826	Judson, Agur, Newark, N. J. Meal-molder in the manufacture of linseed-oil.	May 4, 1875	82	27	7	758
164, 920	Judson, Agur, assignor of one-half interest to D. Howard Judson, Newark, N. J. Rotary paper-cutter.	June 29, 1875	1045	337	7	1105
164, 180	Judson, Andrew J., Hillville, assignor of one-fourth interest to Jacob Truly, Catfish, Pa. Blacksmith's forging-hammer.	June 8, 1875	324	110	7	986
	Judson, Chester. (See Amrock & Judson.)					
	Judson, D. Howard (See Judson, Agur, assignor.)					
160, 774	Judson, Junius, and William A. Cogswell, Rochester, N. Y.; said Cogswell assignor to said Judson. Steam engine governor.	Mar. 16, 1875	502	163	7	435
169, 815	Judson, Junius, and William A. Cogswell, Rochester, N. Y. Steam-governor.	Nov. 9, 1875	498	157	8	807
171, 572	Juengst, George, New York, N. Y. Mechanical movement. (Reissue.)	Dec. 28, 1875	903	295	8	1095
	Juergens, August. (See Branson & Juergens)					
163, 080	Jullien, Alexandre, Paris, France. Converting old iron into steel.	May 11, 1875	338		7	799
163, 782	Same. Manufacture of ferro-manganese.	May 25, 1875	1003	318	7	909
	June, David. (See Brayton, June & French)					
	Junkerman, Otto. (See Hoag & Junkerman.)					
	Jurgensen, Christopher P. (See Hansen & Jurgensen.)					
161, 239	Jurgensen, Jules F. U., Locle, Switzerland. Stem-setting watch.	Mar. 23, 1875	926	302	7	501
163, 381	Jury, F. Herman, New York, N. Y. Child's carriage.	May 18, 1875	632	203	7	853
168, 902	Jury, Friedrich H., New York, N. Y. Vehicle-top.	Oct. 19, 1875	563	184	8	660
169, 006	Justh, Emanuel S., Washington, D. C. Boot and shoe.	Oct. 19, 1875	660	217	8	673
161, 340	Kacerovsky, Joseph, Bridgeport, Conn., assignor to C. M. Alexander and J. M. Mason, Washington, D. C. Machine for tapping pipe-fittings.	Mar. 30, 1875	1040	338 } 339 }	7	523
8, 246	Kagy, Henry, assignor to Thomas Potter, Sons & Co., Philadelphia, Pa. Oil-cloth. (Case A. Design.)	Mar. 30, 1875			7	516
8, 247	Same. same. (Case B. Design.)	Mar. 30, 1875			7	516
160, 202	Kabler, Conrad, assignor of one-half interest to Melville C. Eames and William L. Ogden, Chicago, Ill. Brake-machinery.	Feb. 23, 1875	920	303	7	331
165, 238	Kabler, Conrad, assignor to self, Melville C. Eames, William L. Ogden, Wilhelm Severin, and Philipp Emrath, Chicago, Ill. Paper-dampening machine.	July 6, 1875	89	26	8	21
165, 838	Same. Rotary printing-press.	July 20, 1875	701	213	8	128
165, 589	Kahn, Israel, Saint Joseph, Mo. Eyeglass.	July 13, 1875	446	135	8	78
166, 781	Kahn, Louis, New York, N. Y. Stem winding and setting device for watches.	Aug. 17, 1875	581	179	8	298
166, 466	Kaiser, Jacob, York Township, Canada. Mill.	Aug. 10, 1875	287	86	8	247
	Kaiser, Peter. (See Beach, Henry, assignor.)					
165, 590	Kalbfiesch, Franklin H., Brooklyn, N. Y. Carriers for acids.	July 13, 1875	447	135	8	79
164, 921	Kalmbach, Charles L., Richmond, Va. Electric fuse.	June 29, 1875	1046	337	7	1105
160, 683	Kampfe, Frederic, New York, N. Y. Lamp.	Mar. 9, 1875	390	132	7	414
6, 702	Kane, Charles I., Milford, Conn. Shuttle-motion for looms. (Reissue.)	Oct. 19, 1875	727	240	8	683
167, 176	Same. same.	Aug. 31, 1875	995	309	8	372
168, 259	Kanense, Abraham M., Sun Prairie, Wis. Seed-planter.	Sept. 28, 1875	840	268	8	548
159, 183	Kappmeyer, Edward, Hamburg, Germany. Sewing-machine.	Jan. 26, 1875	813	267 }	7	158
	Karn, Eugene W. (See Karn, Jacob W. and Eugene W.)					
165, 103	Karn, Jacob W. and Eugene W., Seneca Falls, N. Y. Device for bending sleigh-runner frames.	June 29, 1875	1205	387	7	1127

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g	Vol.	Page.
	Karns, James E., et al. (See Douthett, William C., assignor.)					
108, 502	Karntz, T. (See Latus, William, assignor.)					
	Kaselowsky, Emil, Berlin, Prussia. Steam-boiler furnace.....	Oct. 5, 1875	163	53	8	588
164, 458	Kast, Jos., et al. (See Clark, George, assignor.)					
	Kastner, Georges E. F., Paris, France. Pyrophone.....	June 15, 1875	600	194	7	1030
158, 715	Kates, John L. (See Caldwell, Joseph K., assignor.)					
165, 591	Kates, Joseph W., Richmond, Va. Telegraphic signal apparatus..	Jan. 12, 1875	337	115	7	71
163, 160	Same..... Non-interfering fire-alarm telegraph.....	July 13, 1875	448	136	8	79
166, 387	Katon, Walter N., Attleborough, Mass. Thill-coupling.....	Sept. 28, 1875	755	238	8	536
168, 503	Kaufman, Abraham, Annville, Pa. Invalid-bedstead.....	Aug. 3, 1875	190	57	8	225
160, 599	Kaufman, Jacob M., Gosport, Ind. Wind-wheel.....	Oct. 5, 1875	164	53, 54	8	588
159, 682	Kaufman, Joseph, Philadelphia, Pa. Hinge.....	Mar. 9, 1875	320	108	7	403
166, 388	Kauper, Johan, assignor to Wagner, Kauper & Deremo, Cincinnati, Ohio. Carpet-sweeper.	Feb. 9, 1875	418	139	7	250
167, 257	Kavanagh, Patrick, Canarsie, N. Y. Sheave.....	Aug. 3, 1875	190	57	8	225
	Kawan, Anton. (See Rosborg & Kawan.)	Aug. 31, 1875	1062	330	8	3-2
164, 459	Kaylor, Edward, Pittsburgh, Pa. Machine for upsetting metallic bars and rods.....	June 15, 1875	602	195	7	1031
	Keach, William, et al. (See Robbins, Joseph A., assignor.)					
161, 517	Keam, Thomas V., Santa Fé, N. Mex. Lamp and gas-burner attachment.....	Mar. 30, 1875	1213	390	7	545
163, 871	Kean, John, Chicago, Ill. Pessary.....	June 1, 1875	31	10	7	9-5
163, 931	Kearney, Benjamin S., Franklinton, N. C. Car-coupling.....	June 1, 1875	77	26	7	941
160, 600	Kearns, William F., New York, N. Y. Piano stringing and tuning device.....	Mar. 9, 1875	322	108	7	404
160, 332	Keating, Anthony F. (See Harrington, Thomas H., assignor.)					
	Keating, Jeremiah H., Boston, Mass. Button-fastening.....	Mar. 2, 1875	68	24	7	358
169, 908	Keating, John. (See Oakley, John M., assignor.)					
	Keating, Thomas B., and Thomas G., Bristol, Mansfield, Ohio. Nut-lock.....	Nov. 16, 1875	598	186	8	828
171, 922	Keats, Alphonse. (See Keats, Greenwood & Keats.)					
	Keats, John, New Castle, Arthur Greenwood, Leeds, and Alphonse Keats, New Castle, England. Boot and shoe sewing machine.....	Dec. 28, 1875	964	{ 312 313 }	{ 8 8 }	{ 1103 1103 }
158, 846	Keckhaugh, Joseph D., et al. (See Andrews, Edwin F., assignor.)					
	Keck, Baldwin. (See Hoopes & Smith, assignors.)					
	Keegan, Thomas, New York, N. Y. Fare-box.....	Jan. 19, 1875	476	160	7	106
163, 317	Keegan, James D., jr., et al. (See Greenelle, Walling D., assignor.)					
165, 839	Keegan, John. (See Dunbar & Keegan.)					
	Keegan, Vincent E., Boston, Mass. Galvanic battery.....	May 18, 1875	576	184	7	816
162, 237	Keeler, Julius A., Olathe, Kans. Land-roller.....	July 20, 1875	703	214	8	1-9
163, 107	Keely, Jerome. (See Fry, John L., assignor.)					
6, 229	Keely, Nice, Leverington, Pa. Paper barrel.....	Apr. 20, 1875	601	197	7	668
	Keene, George A., Lynn, Mass., assignor, by mesne assignments, to Rubber Step Manufacturing Company. Carriage-step..... (Reissue.)	Oct. 26, 1875	779	253	8	637
161, 518	Keene, George A., Lynn, Mass. Prop-nut and rivet for carriages.....	Jan. 12, 1875	400	134	7	80
163, 016	Keene, George A., Lynn, assignor to self and C. M. Clapp, Boston, Mass. Carriage-window.....	Mar. 30, 1875	1214	390	7	515
162, 479	Keene, Samuel D., Providence, R. I. Machine for cleaning cotton.....	May 11, 1875	278	90	7	791
163, 319	Keeney, Marble D., Rockton, Ill. Machine for making paper barrels.....	Apr. 27, 1875	852	274	7	707
8, 685	Keep, Oliver H. (See Myers, James H., assignor.)..... (Reissue.)	May 13, 1875	577	185	7	846
160, 203	Keep, William J., Troy, N. Y. Cooking-stove..... (Design.)	Oct. 5, 1875				8 570
165, 491	Kees, William H., and Lorenz Schmidt, Cleveland, Ohio. Flue-cleaner or scraper.....	Feb. 23, 1875	922	303	7	331
163, 661	Keauver, Jacob P., Madisonville, Tenn. Press.....	July 13, 1875	360	106	8	65
	Keiper, Henry B., assignor of one-half interest to John M. Keiper, Lancaster, Pa. Table-lingo for sewing-machines.....	May 25, 1875	902	2-6	7	896
163, 783	Keiper, John M. (See Keiper, Henry B., assignor.)					
	Keiser, Florenz, Pottstown, Pa. Axle-box.....	May 25, 1875	1004	318	7	909
	Keisker, Lonisa. (See Polle, Keisker & Polle.)					
164, 010	Keith, Amos B., et al. (See Muther & Hentschel, assignors.)					
	Keith, Arza B., Braintree, and Timothy K. Reed, deceased, Eunice S. Reed, administratrix, East Bridgewater, Mass., assignors, by mesne assignments, to Metallic Seam Company, New Haven, Conn. Machine for forming and driving staples for leather-work.....	June 1, 1875	141	50, 51	7	950
159, 932	Keith, David W., West Wareham, Mass. Nail-plate feeder.....	Feb. 16, 1875	666	{ 220 221 }	{ 7 7 }	{ 288 288 }
160, 527	Keith, Henry L. (See Ives, George L., assignor.)					
170, 741	Keith, Jeremiah, Providence, R. I. Water-elevator.....	Mar. 9, 1875	257	83	7	394
170, 955	Same..... Sewing-machine.....	Dec. 7, 1875	79	25	8	961
	Keith, Thomas K., Haverhill, Mass. Machine for cutting and blacking the welts in boots and shoes.....	Dec. 14, 1875	785	96	8	966
160, 439	Keith, W. H., et al. (See Perry, John L., assignor.)					
	Kelchner, William W. (See Gross & Kelchner.)					
161, 966	Kellam, Daniel C., Detroit, Mich. Bed-bottom.....	Mar. 2, 1875	162	57	7	372
163, 207	Kellar, James M. (See Kellar, Martin L., and James M.)					
167, 840	Kellar, Martin L., and James M., Luzerne, Iowa. Harvester-wheel.....	Apr. 13, 1875	342	115	7	628
167, 841	Kellberg, John W., Philadelphia, Pa. Guide-roller for web-printing presses.....	May 11, 1875	455	147	7	811
168, 750	Same..... Delivering apparatus for printing-presses.....	Sept. 21, 1875	437	139	8	483
167, 841	Same..... same.....	Sept. 21, 1875	438	140	8	484
168, 750	Keller, Charles F., Healdsburg, Cal. Combined planter and cultivator.....	Oct. 11, 1875	418	136	8	632
171, 927	Keller, John, New York, N. Y. Calendar.....	Dec. 21, 1875	572	188	8	1041
6, 598	Keller, Nicholas J., East Birmingham, Pa. Sand and gravel separator..... (Reissue.)	Aug. 17, 1875	710	{ 220 221 }	{ 8 8 }	{ 317 317 }
163, 382	Keller, Nicholas J., Pittsburgh, Pa. Sand and gravel separator.....	May 18, 1875	633	203	7	853
167, 842	Keller, Simon, Wrightsville, Pa. Gate for railway-crossings.....	Sept. 21, 1875	439	140	8	484
8, 013	Kellett, Samuel, San Francisco, Cal. Center-piece..... (Design.)	Jan. 19, 1875				7 93
8, 014	Same..... same..... (Design.)	Jan. 19, 1875				7 93
8, 015	Same..... same..... (Design.)	Jan. 19, 1875				7 93
8, 016	Same..... same..... (Design.)	Jan. 19, 1875				7 93
8, 017	Same..... same..... (Design.)	Jan. 19, 1875				7 93
170, 271	Kellett, Thomas A., assignor of one-half interest to T. S. Fellows, Wells, Minn. Camera-obscura.....	Nov. 23, 1875	949	297	8	882
168, 568	Kelley, David M., Burke, N. Y. Bolt and rivet cutter.....	Oct. 11, 1875	252	83	8	607
163, 594	Kelley, George W. (See Way, Martin and Thomas R., assignors.)					
	Kelley, George W., Wabash, Ind. Animal-trap.....	May 25, 1875	846	267	7	888
170, 272	Kelley, John C. (See Webster, Joel, assignor.)					
168, 615	Kelley, John C., Pearsall's, N. Y. Register-dial for water-meters.....	Nov. 23, 1875	950	297	8	882
168, 475	Kelley, Joseph F., Washington, D. C. Mechanical device.....	Oct. 11, 1875	327	106	8	618
168, 400	Kellic, William M., Nashville, Tenn. Stencil-plate.....	Oct. 5, 1875	73	26	8	575

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 099	Kellogg, Albert A., assignor to self and Miles E. Cartwright, Montgomery, Mich. Car-coupling	Jan. 26, 1875	737	241	7	148
160, 528	Kellogg, Ansel N., Chicago, Ill. Toilet-pin	Mar. 9, 1875	258	88	7	394
163, 872	Same. Stereotype-plate holder	June 1, 1875	32	10	7	935
163, 873	Same. Stereotype-block	June 1, 1875	33	10	7	935
163, 874	Same. Stereotype-plate	June 1, 1875	34	10	7	935
166, 702	Kellogg, Ansel N., and James J. Schock, Chicago, Ill. Stereotype-plate holder	Aug. 17, 1875	568	156	8	27
162, 077	Kellogg, Charles, Athens, Pa. Construction of iron truss-bridges	Apr. 13, 1875	433	141	7	640
158, 945	Kellogg, Charles H., Leverett, Mass. Paper-bag machine	Jan. 19, 1875	570	189	7	117
159, 582	Kellogg, Charles H., East Leverett, Mass. Paper-bag machine	Feb. 9, 1875	329	108 109	7	228
168, 027	Kellogg, Dayton S. (See Lintner, Weller & Kellogg.) Kellogg, Eugene P., New York, N. Y. Sleeping-car Kellogg, H. C. (See Pratt, Scraiah M., assignor.) Kellogg, James D. (See Kellogg, Russel, assignor.)	Sept. 21, 1875	597	191	8	507
161, 883	Kellogg, J. Dwight, jr., Northampton, Mass. Skate	Apr. 13, 1875	271	91	7	619
165, 840	Kellogg, Luke L., Leon, N. Y. Clock-calendar	July 20, 1875	704	214	8	129
163, 784	Kellogg, Norman G. (See Jennings, Ralph S., assignor) (Reissue.) Kellogg, Orson W., assignor of one-half interest to Milford Van Dressar, Fond du Lac, Wis. Street-sweeper	May 23, 1875	1005	319	7	909
168, 569	Kellogg, Orson W., assignor of one-half interest to Augustus F. Cady, Fond du Lac, Wis. Street-sweeper	Oct. 11, 1875	253	83	8	607
165, 841	Kellogg, Russel, assignor to self and James D. Kellogg, Battle Creek, Mich. Hay-knife	July 20, 1875	704	214	8	129
166, 011	Kellogg, Timothy, McGregor, Iowa. Windmill	July 27, 1875	876	270	8	15
162, 753	Kellogg, Warren T., Troy, N. Y. Curry-comb	May 4, 1875	16	6	7	749
162, 754	Kellogg, William P., Troy, N. Y. Curry-comb	May 4, 1875	17	6	7	749
171, 366	Kellogg, William P., and John W. Trussell, Troy, N. Y. Curry-comb	Dec. 21, 1875	712	235 236	8	1061
169, 270	Kelly, Charles. (See Uncles, Benjamin, assignor.) Kelly, Daniel R., assignor to Clark, Reeves & Co., Philadelphia, Pa. Traversing-scaffold Kelly, Edward W., et al. (See Hunter, William K., assignor.) Kelly, James M., et al. (See Gue, Albert F., assignor) (Reissue.)	Oct. 26, 1875	923	299	8	717
161, 884	Kelly, James M., Austin, Ill. Car-brake	Apr. 13, 1875	272	91	7	619
164, 305	Kelly, John, assignor of one-half interest to Joseph H. Barker, Baltimore, Md. Screw-propeller	June 8, 1875	442	146	7	1061
167, 612	Kelly, John, Troy, Ohio. Corn-planter Kelly, Michael. (See Hughes & Kelly.) Kelly, Michael. (See Hughes, Samuel, assignor) (Reissue.)	Sept. 14, 1875	220	68	8	444
170, 478	Kelly, Michael, New York, N. Y. Corn-shield Kelly, R. C. (See Knapp, Overt B., assignor.) Kelly, Sylvester R. (See McCormack & Kelly.)	Nov. 30, 1875	1152	363	8	919
161, 967	Kelly, William H., Terre Haute, Ind. Bucket for chain-pumps	Apr. 13, 1875	342	115	7	628
171, 025	Kelsey, Christopher P., Richmondville, N. Y. Manufacture of grain-cradle fingers	Dec. 14, 1875	349	116	8	1004
167, 258	Kelsey, Denison A., Quincy, Ill. Whip-socket	Aug. 31, 1875	1463	331	8	32
163, 300	Kelsey, Orlando, Worcester, Mass. Heating and ventilating apparatus for buildings	May 18, 1875	578	185	7	846
164, 306	Kelshaw, John, Indianapolis, Ind. Stove-pipe and drum	June 8, 1875	443	146	7	1061
166, 782	Kelso, George R. (See Ulmar, John B., assignor.) Kelso, Robert. (See Watson & Kelso.)	Aug. 17, 1875	582	179	8	298
164, 460	Kemp, Thomas O., Beamsville, Canada. Boiler-cleaner Kemper, Ernest G. (See Evans & Kemper.) Kemper, John T., Hannibal, Mo. Earth-anger Kempf, Joseph. (See Ernst, Joseph, assignor.)	June 15, 1875	603	195	7	1031
165, 933	Kempshall, Eleazer, assignor to self and William Nash, New Britain, Conn. Snap-hook	July 20, 1875	804	247	8	155
166, 783	Kempshall, Eleazer, New Britain, Conn., assignor to William J. Phelps and Willard P. Abenethy, Springfield, Mass. Harness snap	Aug. 17, 1875	583	179	8	298
163, 662	Kendall, Adoniram, Cleveland, Ohio. Governor for steam-engines Kendall, Edward, et al. (See Shaw, Benjamin F., assignor.)	May 25, 1875	903	287	7	896
168, 903	Kendall, James, Boston, assignor to Charles E. Ashcroft, Lynn, Mass. Pocket-lamp	Oct. 19, 1875	564	184	8	660
166, 784	Kendall, John J., Greensborough, N. C. Shingle-machine	Aug. 17, 1875	584	180	8	299
170, 630	Same. Spinning-wheel	Nov. 30, 1875	1208	409	8	928
167, 259	Kendall, John L., Foxborough, Mass. Sponge and pulp fabric Kendall, Josiah B. (See Collinson, Henry, assignor.)	Aug. 31, 1875	1063	331	8	382
159, 154	Kendall, Orson B., Buffalo, N. Y. Low-water indicator for steam-boilers	Jan. 26, 1875	815	267	7	158
166, 532	Kendrick, Andrew W., Brooklyn, N. Y. Grain-separator Kendrick, Tunis T. (See Osborn & Kendrick.)	Aug. 10, 1875	339	104	8	255
169, 809	Kengle, William F., Rockport, Pa. Stamp-extractor	Nov. 16, 1875	599	186	8	828
162, 238	Kenison, Orrin W., Lawrence, Mass. Harness-motion for looms	Apr. 20, 1875	602	197	7	608
163, 552	Same. Shedding-mechanism for looms Kennan, James. (See Eustace & Kennan.) Kennan, James, et al. (See Eustace, Marcus, assignor.) Kennan, Thomas. (See Eustace & Kennan.) Kennan, Thomas, et al. (See Eustace, Marcus, assignor.)	Nov. 2, 1875	212	70	8	763
164, 307	Kenard, Robert G. J., Brooklyn, N. Y. Implement for holding hot corn	June 8, 1875	441	147	7	1001
167, 906	Keneday, Jordan C., Big Lick, N. C. Bl for fire-places	Sept. 21, 1875	496	157	8	492
164, 181	Keneday, Charles, Hincley, Ill. Barbed-wire fence	June 8, 1875	324	110	7	986
163, 785	Keneday, Daniel, New York, N. Y. Valve-movement for rock-drills	May 25, 1875	1005	319	7	910
165, 738	Kennedy, David J., Philadelphia, Pa. Window-mirror	July 20, 1875	596	183	8	115
161, 968	Kennedy, De Laucy, New York, N. Y. Metal-punch Kennedy, D. W. (See Shepard, Lewis, assignor.)	Apr. 13, 1875	342	115	7	628
164, 182	Kennedy, Ebenezer F., Oil City, Pa. Coffee-pot Kennedy, James. (See Barclay & Kennedy.)	June 8, 1875	325	111	7	956
165, 004	Kennedy, John C., Chicago, Ill., assignor of one-half interest to Henry Kiley, Toledo, Ohio. Apparatus for charging beer with gas Kennedy, John T. (See Prindle & Kennedy.) Kennedy, Lewis B. (See Mitchell & Kennedy.) Kennedy, Lizzie H., et al. (See Gill & Beisel, assignors.) Kennedy, Samuel A. (See Zane & Kennedy.) Kennedy, Thomas. (See Bates, Charles L., assignor.)	June 29, 1875	1115	360	7	1114
159, 100	Kennedy, William M., Pittsburgh, Pa. Process of moistening grain preparatory to grinding Kenney, Charles H. (See Wright & Kenney.)	Jan. 26, 1875	739	.....	7	148
170, 956	Kenney, Thomas M., and Eugene L. Willard, Keene, N. H. Machine for sawing fellies	Dec. 14, 1875	786	96	8	996
162, 239	Kennoch, William W., New York, N. Y., and Ezra T. and James F. Gilliland, Cincinnati, Ohio. Burglar-alarm Kenny & McPartland, et al. (See Miller, William H., assignor.)	Apr. 20, 1875	603	197	7	668

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169, 271	Kenny, Arthur, assignor of one-half interest to W. H. and J. E. Miller, New York, N. Y. } Manufacture of button-gaiters.....	Oct. 26, 1875	924	{ 299 300	{ 6 8	718
169, 708	Kenny, Arthur, New York, N. Y. Button-gaiter.....	Nov. 9, 1875	390	122	8	794
163, 321	Kenny, Charles, New York, N. Y., assignor of one-half interest to George Walker, Little Falls, N. Y. Harness-saddle.....	May 18, 1875	579	185	7	846
160, 775	Kenny, Francis, assignor to self, Julius A. Case, and Julius G. Rathbun, Hartford, Conn. Double-seaming machine.....	Mar. 16, 1875	503	163	7	435
159, 933	Kenny, Frederick J., Boston, Mass. Ship's lantern.....	Feb. 16, 1875	667	221	7	269
163, 161	Kenny, John, Dover, England. Machine for forming imitation button-holes.....	Sept. 28, 1875	756	239	8	736
160, 916	Kenny, Joseph M., Blairsville, Pa. Railway-rail joint.....	Mar. 16, 1875	619	202	7	451
	Kent, Benjamin. (See Clarkson, George, assignor.)					
165, 676	Kent, Brazilla, Binghamton, N. Y. Grab for removing detached drills from artesian wells.....	July 29, 1875	544	166	8	107
171, 228	Same..... Preventing hydrants from freezing.....	Dec. 21, 1875	572	188	8	1042
169, 108	Kent, Henry T., and Sidney Moore, Chilton, Pa. Stop-motion for looms.....	Oct. 26, 1875	7-1	253	8	697
163, 208	Kent, James M., Campbell, N. Y. Railway-spike.....	May 11, 1875	475	147	7	874
166, 113	Kent, James M., Curtis, N. Y. Nut-lock.....	July 27, 1875	973	300	8	179
160, 684	Kent, John, New York, and Henry Leeson, Locust Valley, N. Y.; said Leeson assignor to said Kent. Knit fabric.....	Mar. 9, 1875	391	132	7	414
160, 685	Same..... Knitting-machine.....	Mar. 9, 1875	392	{ 132 133	{ 7 7	414
163, 209	Kent, John, New York, N. Y. Sock, mitten, &c.....	May 11, 1875	456	147	7	814
159, 683	Kent, Lucius M., Saint Johnsbury, Vt. Lamp-supporter.....	Feb. 9, 1875	419	139	7	250
161, 885	Kent, William H. (See Winue & Kent.)					
161, 885	Kenworthy, Stas B., and Jacob R. Vanmeter, Van Metre, Iowa; said Kenworthy assignor to said Vanmeter. Feed-regulator for mills.....	Apr. 13, 1875	273	91	7	619
164, 565	Kenyon, Martin R., assignor of thirteen-twentieths interest to Nathan B. Hail and Edward J. Bicknell, Providence, R. I. Hair-weaving loom.....	June 15, 1875	689	{ 223 224	{ 7 7	1043
166, 929	Kepler, Jacob C., Richmond, Ind. Proof-staff for millstones.....	Aug. 21, 1875	732	227	8	329
163, 498	Kepler, Robert B., Washington, D. C. Live-bait receptacle.....	May 18, 1875	743	236	7	867
159, 271	Kepler, Solomon, assignor of one-half interest to J. B. Parker, Pottstown, Pa. Grate.....	Feb. 2, 1875	27	9	7	188
162, 662	Kepler, Solomon, Pottstown, Pa. Automatic governor for hot-air furnaces.....	Apr. 27, 1875	1009	323	7	727
171, 229	Kepple, John, Edwardsport, assignor to self and Oliver R. Daugherty, Indianapolis, Ind. Baling barrel-headings.....	Dec. 21, 1875	573	188	8	1042
167, 177	Ker, William W., assignor of two-thirds interest to Isaac L. Shroeder and John C. Goodrich, Chicago, Ill. Stock-car.....	Aug. 31, 1875	995	309	8	372
	Kernochan, Robert L., et al. (See Allen, Hosea, assignor.)					
159, 934	Kerper, Jacob N., Washington, D. C. Machine for dusting bricks.....	Feb. 16, 1875	668	221	7	289
170, 742	Kerper, Jacob N., assignor of one-half interest to Isaac P. Childs, Washington, D. C. Clay-pulverizing machine.....	Dec. 7, 1875	80	25, 26	8	961
170, 378	Kerr, Christopher C., Springfield, Mo. Meat-mangler.....	Nov. 23, 1875	1041	327	8	895
6, 692	Kerr, Hugh S., Philadelphia, Pa. Sponge-brush..... (Reissue)	Oct. 11, 1875	455	157	8	641
8, 222	Same..... Call-bell..... (Design)	Mar. 21, 1875			7	466
8, 741	Same..... Book or secretary case..... (Design)	Oct. 19, 1875			8	645
8, 833	Same..... Inkstand..... (Design)	Dec. 7, 1875			8	945
8, 847	Same..... Toy balloon..... (Design)	Dec. 14, 1875			8	988
8, 890	Same..... Carpet..... (Design)	Nov. 31, 1875			8	364
170, 090	Kerr, William J., Springfield, Mo. Invalid-bedstead.....	Aug. 16, 1875	761	241	8	849
158, 379	Kershaw, Charles S., Sberburne, N. Y. Hay-elevator.....	Jan. 5, 1875	24	8	7	12
	Kessler, Jacques L. (See Fautré & Kessler.)					
169, 272	Kester, Ira, Wayland, N. Y. Carriage-wheel.....	Oct. 26, 1875	924	300	8	718
171, 387	Kettell, James F., Worcester, Mass. Electrical station-indicator.....	Dec. 21, 1875	713	236	8	1061
163, 663	Ketterer, Charles P., New York, N. Y. Carriage-curtain fastening.....	May 25, 1875	904	287	7	896
159, 684	Kettle, Louis A., Philadelphia, Pa., assignor of one-half interest to Rupert Kettle, Merri-dale, England. Paper box.....	Feb. 9, 1875	419	139	7	250
164, 005	Same..... Paper box.....	June 1, 1875	138	49	7	150
164, 742	Kettle, Rupert. (See Kettle, Louis A., assignor.)	June 22, 1875	860	279	7	1074
159, 523	Key, Minter P., Waxahachie, Tex. Folding store-shelf.....	Feb. 9, 1875	331	109	7	238
166, 616	Keyes, Amos H. (See Keyes, Walter H., assignor.)					
161, 126	Keyes, Henry C., and Jedediah P. Clark, Philadelphia, Pa. Electric train-telegraph.....	Aug. 10, 1875	411	127	8	265
	Keyes, Walter H., assignor of one-half interest to Amos H. Keyes, Princeton, Mass. Pencil-sharpener.....	Mar. 23, 1875	823	269	7	487
163, 595	Keys, John, and John R. De Mier, Coultersville, Ill. Wheel-plow.....	May 23, 1875	647	{ 267 268	{ 7 7	888
	Kibbee, Henry C. (See Disney, Mordecai, assignor.)					
	Kidd, Benjamin F. (See Jones & Kidd.)					
	Kidd, James. (See Critchlow & Kidd.)					
164, 183	Kidder, Jerome, New York, N. Y. Cautery electrode.....	June 8, 1875	326	111	7	986
164, 184	Same..... Vesicular electrode.....	June 8, 1875	327	111	7	986
164, 185	Same..... Reservoir-electrode.....	June 8, 1875	327	111	7	986
16, 012	Same..... Galvanic battery.....	July 27, 1875	877	270	8	165
164, 093	Kidder, Moses W., Boston, assignor of one-half interest to Person Noyes, Lowell, Mass. Gas-making process.....	June 8, 1875	246	85	7	975
165, 168	Kidder, Moses W., assignor of one-half interest to Person Noyes, Boston, Mass. Coal-gas apparatus.....	July 6, 1875	20	7	8	11
163, 904	Kidder, Moses W., Boston, assignor to self and Person Noyes, Lowell, Mass. Process } and apparatus for the manufacture of illuminating-gas.....	Oct. 19, 1875	564	{ 184 185 186 187 188	{ 8 8	660
168, 751	Kidder, Samuel R., Bantam Falls, Conn. Clothes-drier.....	Oct. 11, 1875	419	137	8	632
160, 333	Kidder, Wellington P., Malden, Mass. Printing-press.....	Mar. 2, 1875	68	24	7	358
169, 175	Kiehl, George A., and Ernst H. Kohler, Lancaster, Pa. Combined bottle-opener, knife, ice-pick, grater, and cork-screw.....	Oct. 26, 1875	838	273	8	706
160, 828	Kiergaard, Frederick C., Philadelphia, Pa. Personal ornament.....	Mar. 16, 1875	530	178	7	441
	Kilburn, A., et al. (See Curtis, Harrison W., assignor.)					
	Kilburn, Artemus, et al. (See Stevens, Asher B., assignor.)					
	Kilburn, C., et al. (See Curtis, Harrison W., assignor.)					
	Kilburn, Cheuey, et al. (See Stevens, Asher B., assignor.)					
160, 334	Kilburn, Wells, Napa City, Cal. Candlestick.....	Mar. 2, 1875	69	25	7	358
	Kiley, Henry. (See Kennedy, John C., assignor.)					
	Killinger & Co. (See Schrock, Andrew, assignor.)					
	Killpatrick, John. (See Masterson, Levi J., assignor.)					



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161, 519	Kilpatrick, Robert L., Springfield, Ohio. Railway-signal	Mar. 30, 1875	1315	{ 390 391	7	545
166, 013	Kimball, Charles E., New York, N. Y. Apple corer and slicer	July 27, 1875	878	270	8	165
165, 490	Kimball, Charles L. (See V. n Buskirk, William G., assignor.)					
168, 162	Kimball, Frederick J., Philadelphia, Pa. Door for grain-cars	July 13, 1875	360	106	8	65
169, 007	Kimball, Hiram A., Philadelphia, Pa. Saw gumming and setting machine	Sept. 28, 1875	757	240	8	537
169, 998	Same.....Chuck	Oct. 19, 1875	661	217	8	674
170, 273	Same.....Combined universal lathe and belt-saw	Nov. 16, 1875	671	211	8	837
163, 383	Kimball, Hiram A., assignor to Benjamin C. Everett, Philadelphia, Pa. Truss	Nov. 23, 1875	951	297	8	882
164, 743	Kimball, John A., Naperville, Ill. Wind-wheel	May 18, 1875	634	204	7	853
160, 335	Kimball, John M., Wyoming, Iowa. Hog-trap	June 22, 1875	860	280	7	1075
169, 553	Kimball, Joseph, Pleasant Home, Nebr. Sulky-harrow	Mar. 2, 1875	70	25	7	359
164, 006	Kimball, Melville C. (See Danforth, Aciel A., assignor.)					
163, 786	Kimble, Smith W., assignor of three fourths interest to Arthur Leggott, Silas W. Hiecox, and Augustin Rafter, Springfield, Ill. Air-heating and ventilating furnace	Nov. 2, 1875	213	70	8	763
162, 290	Kimerer, John. (See Calhoun & Kimerer.)	June 1, 1875	139	49	7	950
158, 642	Kimplin, Cornelius, Chicago, Ill. Plow-beam	May 25, 1875	1006	319	7	910
160, 020	Kincaid, John A., Boston, Mass. Dashier-flap fastener	Apr. 20, 1875	648	211	7	674
161, 417	Kinderman, William, Troutville, Pa. Automatic cradle	Jan. 12, 1875	252	92	7	62
	Kindermann, August. (See Harris & Kindermann.)	Feb. 23, 1875	768	253	7	109
	Kinehan, Lawrence, et al. (See Milgate, George C., assignor.)	Mar. 30, 1875	1116	361	7	532
169, 176	King, Benjamin, Jonesburgh, Mo. Corn-planter	Oct. 26, 1875	838	273	8	706
160, 915	King, Charles A., assignor to Charles Parker, Meriden, Conn. Breech-loading fire-arm	Mar. 16, 1875	618	202	7	451
161, 686	King, Delaney, Salamanea, N. Y. Truss	Apr. 6, 1875	84	29	7	581
	King, Edwin A. (See King, Phineas F. and Edwin A.)					
	King, Edwin H. (See Chandler & King.)					
	King, Francis. (See Halbert & King.)					
159, 350	King, George B., assignor of one-half interest to William J. Dorrington, Lawrence, Mass. Street-sign	Feb. 9, 1875	308	100	7	234
6, 518	King, George E., assignor to Frederic A. Kursheedt, New York, N. Y. Trimming. (Reissue)	June 29, 1875	1248	401	7	1133
164, 308	King, Harry, Washington, D. C. Draftsmen's mixing-cup	June 8, 1875	445	147	7	1001
167, 672	King, Henry B., Paterson, N. J. Toy whistle	Sept. 14, 1875	270	84	8	451
170, 274	King, Henry B., and Christopher McKiernan, Paterson, N. J. Steam-whistle	Nov. 23, 1875	932	298	8	882
162, 928	King, Henry F., Corry, Pa. Sectional boiler	May 4, 1875	174	58	7	770
161, 520	King, Henry W., Canaan, N. Y. Potato-digger	Mar. 30, 1875	1216	391	7	546
158, 716	King, Jacob, assignor to Joseph K. English and Ewald Over, Indianapolis, Ind. Grain-drill	Jan. 12, 1875	338	115	7	72
	King, James. (See McGabey & King.)					
165, 169	King, James R., Modesto, Cal. Furnace for burning straw	July 6, 1875	25	7, 8	8	12
	King, Job. (See McCall, Mortimer, assignor.)					
	King, J. T., et al. (See Minor, John O., assignor.)					
168, 028	King, Laurin L., Lake View, Ill. Device for rocking cradles	Sept. 21, 1875	599	191	8	508
	King, Lucien B., et al. (See Webster, Joshua B., assignor.)					
	King, Marquis D., et al. (See Webster, Joshua B., assignor.)					
168, 504	King, Norman, and Winfield Scott, Etua, Pa. Rolling-mill	Oct. 5, 1875	165	54	8	588
167, 260	King, Phineas F. and Edwin A., Saut Louis, Mo. Railway-rail-joint fastening	Aug. 31, 1875	1064	331	8	382
163, 875	King, Ralph T., Cleveland, and Lucien L. Nunn, Oberlin, Ohio. Railway-crossing signal	June 1, 1875	34	11	7	935
	King, Robert W., et al. (See Welter, James K., assignor.)					
158, 946	King, Samuel L., Lancaster, Pa. Machine for dressing shingles	Jan. 19, 1875	571	189	7	118
160, 270	King, Smith G., Round Grove, Ill. Sheaf-dropper for harvesters	Mar. 2, 1875	14	6	7	351
	King, Son & Co. (See King & Sperber, assignors.)					
	King, Son & Co. (See King, William C., assignor.)					
170, 674	King, Theodore E., Rockville, Conn. Curtain-fastener	Dec. 7, 1875	19	6	8	953
	King, Thomas P. (See Van Noubuys, Isaac, assignor.)					
166, 468	King, W. Haskell, Somerville, assignor of one-half interest to John W. Larabee, Springfield, Mass. Windlass	Aug. 10, 1875	289	86	8	247
166, 467	King, William, Perth Amboy, N. J., assignor to William King & Co., New York, N. Y. Cork	Aug. 10, 1875	288		8	247
6, 222	King, William C., Pittsburgh, Pa. Covered jar. (Reissue)	Jau. 12, 1875	393	132	7	79
163, 787	King, William C., Union Township, assignor to King, Son & Co., Pittsburgh, Pa. Manufacture of glassware	May 25, 1875	1007	319	7	910
162, 480	King, William C., and August Sperber, assignors to King, Son & Co., Pittsburgh, Pa. Glass-mold	Apr. 27, 1875	853	274	7	708
159, 101	King, William H., assignor to self and Jerome Borer, Petersburg, Ind. Music-leaf turner	Jan. 26, 1875	739	244	7	148
6, 716	King, William R., U. S. A. Rock-drill. (Reissue)	Oct. 26, 1875	984	{ 318 319	8	726
166, 930	King, William R., Willett's Point, N. Y. Hydrostatic compensatory apparatus for metallic bridges	Aug. 24, 1875	734	227	8	329
170, 174	Kingham, William, New York, N. Y. Ventilating churches, houses, &c.	Nov. 23, 1875	861	270	8	170
158, 947	Kingsland, Samuel C., Bridgeport, Conn. Machine for grooving sewing-machine needles	Jan. 19, 1875	571	190	7	118
160, 686	Same.....Machine for bevelling the ends of needle-blanks	Mar. 9, 1875	394	133	7	414
161, 240	Same.....Machine for flattening the shafts of machine-needles	Mar. 23, 1875	927	302	7	501
182, 173	Kingman, Samuel C., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Machine for punching the eyes of machine-needles	Apr. 20, 1875	543	178	7	661
163, 384	Same.....Machine for polishing the eyes of machine-needles	May 18, 1875	635	204	7	853
159, 551	Kingsbury, Andrew B., Utica, assignor of two-thirds interest to William Dent, Mohawk, and Edwin L. Kingsbury, Hamilton, N. Y. Machine for crozing staves	Feb. 9, 1875	308	100	7	234
	Kingsbury, Edwin L., et al. (See Kingsbury, Andrew B., assignor.)					
166, 389	Kingsbury, John D., East Bloomfield, N. Y. Weighing apparatus for wagons	Aug. 3, 1875	192	57	8	226
	Kingsland, Ferguson & Co. (See Reeder, William, assignor.)					
	Kingsland, Lucy S., et al. (See Wills, Harry A., assignor.)					
	Same.....same. (Reissue)					
161, 241	Kingsley, Charles L., assignor to Charles Parker, Meriden, Conn. Vise	Mar. 23, 1875	928	303	7	501
	Kingsley, D., et al. (See Pickel, Russel, assignor.)					
	Kingsley, S. D. (See Munson, William, assignor.)					
162, 201	Kingston, Charles H., assignor of one-third interest to Bertrand W. Stone, Worcester, Mass. Throat-gear for guffs	Apr. 20, 1875	645	212	7	674

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165, 239	Kinn, Friedrich, assignor to William Seyd, New York, N. Y. Lock for pocket-books.....	July 6, 1875	90	27	8	21
159, 828	Kiome, Charles W., Cortland, N. Y. Wagon-body.....	Feb. 16, 1875	569	189	7	275
171, 517	Kinnersley, Henry, Liverpool, England. Signaling device.....	Dec. 28, 1875	855	279	8	1088
162, 827	Kiucey, Francis S., New York, N. Y. Box for packing and showing goods.....	May 4, 1875	83	28	7	758
164, 186	Same.....Machine for handling straight-cut tobacco.....	June 8, 1875	328	112	7	986
169, 008	Kinney, John P., Brooklyn, N. Y. Process for purifying and preserving animal fats.....	Oct. 19, 1875	661	.....	8	674
169, 709	Kinsey, Ernest U., Passaic, N. J. Toy building-block.....	Nov. 9, 1875	390	133	8	794
170, 957	Kinsey, William B. (See Conklin, Ira J., assignor.) Kinsley, Edward G., assignor to self and Luther Belcher, jr., Stoughton, Mass. Glove-paddle for swimmers.....	Dec. 14, 1875	786	96	8	996
160, 687	Kinsman, Frank M. (See Peirce & Kinsman.) Kinsman, John H., Salem, Mass., and Friend W. Smith, Bridgeport, Conn. Wash-basin.....	Mar. 9, 1875	396	133	7	414
162, 663	Kinsman, John H., Salem, Mass. Indicator-lock.....	Apr. 27, 1875	1010	{ 323 324 }	7	728
6, 230	Kintz, Joseph. (See Clark & Kintz.) Kintz, Joseph, West Meriden, Conn., assignor to self and Patrick J. Clark. Lantern. (Reissue).....	Jan. 12, 1875	402	135	7	80
8, 053	Kintz, Joseph, assignor to self and P. J. Clark, West Meriden, Conn. Bracket-cup for chandeliers.....	Feb. 9, 1875	.....	.....	7	223
163, 199	Kinz, Henry P., and Friederich Gebhrke, Arlington Heights, Ill. Ironing-table.....	May 11, 1875	450	145	7	813
6, 282	Kinzer, Jacob, Pittsburgh, Pa. Case for reversible latches and locks..... (Reissue).....	Feb. 9, 1875	474	159	7	258
169, 336	Kinzer, Jacob, assignor to self, David M. Watt, Robert Pitcairn, and John J. Torley, Pittsburgh, Pa. Seal-lock.....	Mar. 2, 1875	70	25	7	359
160, 337	Same.....same.....	Mar. 2, 1875	72	26	7	359
160, 338	Same.....same.....	Mar. 2, 1875	74	26	7	359
164, 377	Kipp, Abraham, jr., assignor of one-half interest to Edward Everett, Sing Sing, N. Y. Sectional steam-boiler.....	June 15, 1875	523	172	7	1021
178, 500	Kirby, John, jr., Adrian, Mich. Car-lamp.....	Jan. 5, 1875	134	44, 45	7	27
171, 518	Kirby, John, Cleveland, Ohio. Device for operating car-brakes.....	Dec. 28, 1875	855	280	8	1088
150, 743	Kirby, Nahum W., Indianapolis, Ind. Feed-water heater.....	Dec. 7, 1875	81	26	8	961
171, 388	Kirehner, John A., Chicago, Ill. Cradle-treadle.....	Dec. 21, 1875	719	236	8	1061
6, 805	Kirchoff, Charles, Newark, N. J. Candle-holder..... (Reissue).....	Dec. 14, 1875	546	179	8	1030
150, 479	Kirk, Arthur, Pittsburgh, Pa. Rock-drilling machine.....	Nov. 30, 1875	1153	363	8	919
168, 419	Kirk, Edward, jr., Sheridan, Ill. Eaves-trough hanger.....	Jan. 5, 1875	59	20	7	17
164, 922	Kirk, George E. (See Graham, John, assignor.) Kirk, Lewis, Rising Sun, Md. Hay and straw press.....	June 29, 1875	1047	337	7	1105
164, 008	Kirkland, Samuel D. (See Wroth, Alfred B., assignor.) Kirkpatrick, Columbus B., Parkersburg, W. Va. Stair-builder's adjustable square..... Kirkpatrick, Cornwall, et al. (See Norris, Robert, assignor.) Kirkpatrick, Wallace, et al. (See Norris, Robert, assignor.) Kirksey, Wellington H. (See Nunneler & Kirksey.)	June 1, 1875	140	50	7	950
169, 710	Kirkwood, David, and Henry Mortimer, Boston, Mass. Lock for fire-arms.....	Nov. 9, 1875	391	123	8	794
167, 907	Kirkwood, Thomas B., Dublin, Ind. Washing-machine.....	Sept. 21, 1875	496	157	8	492
169, 177	Kirkwood, Thomas B., Bentonville, Ind. Corn-marker.....	Oct. 26, 1875	839	273	8	706
162, 754	Kirkland, Charles E., Milwaukee, Wis. Mechanism for casting the lead on vessels.....	May 4, 1875	17	6	7	749
164, 007	Kirtley, Fielding L., Cleburne, Tex. Car-brake.....	June 1, 1875	139	50	7	950
164, 009	Same.....same.....	June 1, 1875	141	50	7	950
159, 935	Kirtley, John E. (See Sneed & Kirtley.) Kirtley, St. Clair D., Philadelphia, Pa. Metallic lip for wooden pails, &c.....	Feb. 16, 1875	668	222	7	289
159, 936	Kirton, James H., Rockford, Ill. Harvester-rake.....	Feb. 16, 1875	667	232	7	289
162, 929	Same.....Harvester.....	May 4, 1875	175	58, 59	7	770
163, 788	Kiser, George. (See McKhuley, Walter, assignor.) Kisor, John, Nevada, Ohio. Machine for making boxes.....	May 25, 1875	1607	320	7	910
168, 752	Same.....Box-machine.....	Oct. 11, 1875	420	137	8	632
169, 554	Kiss, Emerick, New York, N. Y. Table-bedstead.....	Nov. 2, 1875	213	70, 71	8	763
164, 566	Kissam, George F., assignor to J. D. Kissam, New York, N. Y. Fire-proof shutter..... Kissam, J. D. (See Kissam, George F., assignor.)	June 15, 1875	690	234	7	1043
8, 359	Kitchen, William R. (See Glover, Joshua W., assignor.) Kitschelt, Charles, assignor to Nicholas Muller's Sons, New York, N. Y. Inkstand-support.....	June 1, 1875	.....	.....	7	926
8, 360	Same.....same..... (Case A. Design).....	June 1, 1875	.....	.....	7	926
8, 361	Same.....same..... (Case B. Design).....	June 1, 1875	.....	.....	7	926
8, 362	Same.....same..... (Case C. Design).....	June 1, 1875	.....	.....	7	926
8, 363	Same.....same..... (Case D. Design).....	June 1, 1875	.....	.....	7	926
8, 364	Same.....same..... (Case E. Design).....	June 1, 1875	.....	.....	7	926
8, 421	Same.....Thermometer..... (Design).....	June 22, 1875	.....	.....	7	1057
8, 555	Same.....Inkstand-support..... (Case F. Design).....	Aug. 3, 1875	.....	.....	8	194
8, 556	Same.....same..... (Case G. Design).....	Aug. 3, 1875	.....	.....	8	194
170, 675	Kitson Machine Company. (See Kitson, Richard, assignor.) Kitson, Richard, Lowell, Mass., assignor to Kitson Machine Company. Beater for cotton-openers.....	Dec. 7, 1875	19	6	8	953
160, 204	Kittinger, Levi, and John K. Kurtz, Massillon, Ohio. Stacker attachment for thrashing-machines.....	Feb. 23, 1875	192	303	7	331
159, 685	Kittoe, Edmund F., Charleston, S. C. Spud for dredging-machines.....	Feb. 9, 1875	420	140	7	250
161, 687	Kittoe, Edward F., and Fred Brothelood, Charleston, S. C. Shaft for ore-washers.....	Apr. 6, 1875	84	30	7	581
164, 378	Kittredge, Anson O., and William H. and William J. Clark, assignors to Kittredge Cornice and Ornament Company, Salem, Ohio. Oil-can.....	June 15, 1875	521	172	7	1021
166, 703	Same.....Mallet for smoothing sheet-metal..... (See Clark & Kittredge, assignors.) Kittredge Cornice and Ornament Company. (See Clark & Kittredge, assignors.)	Aug. 17, 1875	599	156	8	288
171, 230	Kitz Willard A., Oswego, N. Y. Shingle-planer..... Kitzwiller, E. A., et al. (See Todd, Westley, assignor)..... (Reissue).....	Dec. 21, 1875	574	189	8	1042
161, 242	Kivlan, George, Boston, William Kivlan, Cambridge, and George Wood, Boston, Mass. Machine for calendering printed sheets..... Kivlan, William. (See Kivlan & Wood.)	Mar. 23, 1875	929	303	7	501
159, 185	Klar, Joseph, Shelbyville, Ill. Hog-trap.....	Jan. 26, 1875	816	268	7	158
169, 361	Klar, Joseph, and Hasty S. Dixon, Shelbyville, Ill. Check-row planter.....	Nov. 2, 1875	39	12	8	740
162, 828	Kleckner, John A., assignor to self and Henry F. Sholly, Canton, Ohio. Lightning-rod.....	May 4, 1875	83	28	7	758
171, 141	Klein, Casper, et al. (See Ovist, Peter M., assignor.) Klein, John C., Pittsburgh, Pa. Manufacture of grubbing-hoes.....	Dec. 14, 1875	463	152	8	1019
171, 142	Same.....Manufacture of lap for shoelaces.....	Dec. 14, 1875	464	152	8	1019
171, 143	Same.....Manufacture of picks, &c.....	Dec. 14, 1875	464	152	8	1019
171, 144	Klein, Martin, Saint Peter, Minn. Harness-collar pad.....	Dec. 14, 1875	465	152	8	1019
167, 543	Kleinert, Isaac B., New York, N. Y. Head-muff.....	Sept. 7, 1875	145	44	8	426

Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. g.	Vol.	Page.
	Klemm, Carl. (See Klemm, Heinrich and Carl.)					
	Klemm, Frederick. (See Goetz, Bernard, assignor.)					
160, 440	Klemm, Heinrich and Carl, Pfullingen, Wurtemberg. Manufacture of leather.	Mar. 2, 1875	163		7	372
166, 112	Kley, John A., and Van H. Higgins, Chicago, Ill., assignors to Babcock Manufacturing Company. Hook and ladder truck.	July 27, 1875	972	{ 299 300 }	8	179
6, 450	Kline, Jacob, Camp Hill, Pa., assignor, by mesne assignments, to self, Wilson Bear, J. A. Moore, and M. N. Grove. Harvester-crank and pin. (Reissue.)	June 15, 1875	754	246	7	1052
161, 318	Kline, Jacob, assignor of three-fourths interest to J. Addison Moore and Wilson Bear, Camp Hill, and Michael M. Grove, Harrisburgh, Pa. Carriage-axle.	Apr. 6, 1875	25	11	7	572
	Kline, John A. (See Williams, Cook & Kline.)					
167, 908	Kline, John B., Cincinnati, Ohio. Sofa-bedstead.	Sept. 21, 1875	497	157	8	492
	Kline, John J. (See Stevenson, John A., assignor.)					
171, 289	Klingler, Joseph W., Daniel Bolender, and Samuel E. Stem, Beavertown, Pa. Car-coupling.	Dec. 21, 1875	629	206	8	1049
108, 505	Klinkerfues, William, Göttingen, Prussia. Psychrometer.	Oct. 5, 1875	166	54	8	588
166, 785	Klinkermann, Herman, Dillsborough, Ind. Counterbalancing millstones.	Aug. 17, 1875	585	180	8	299
	Klinkmann, August. (See Heydemann & Klinkmann.)					
159, 937	Klobassa, Victor, Washington, D. C. Game apparatus.	Feb. 16, 1875	670	222	7	259
162, 664	Same. Game-board.		1012	324	7	728
164, 379	Kloman, Andrew, Pittsburgh, Pa. Manufacture of metallic beams and girders.	June 15, 1875	525	173	7	1021
171, 389	Klotz, Daniel H., assignor of one-half interest to Benjamin F. Du Bois, Philadelphia, Pa. Stove-pipe joint.	Dec. 21, 1875	719	237	8	1061
	Klotz, Phaox S. (See Coffin & Klotz.)					
169, 273	Klotz, Philip, assignor to Bentley C. Bibb, Baltimore, Md. Stove and furnace.	Oct. 26, 1875	925	300	8	718
170, 579	Klunzinger, Paul, Bellinzona, Switzerland. Car-brake.	Nov. 23, 1875	1042	327	8	895
159, 102	Knab, Oscar, Newark, N. J. Process of coloring tobacco.	Jan. 26, 1875	740		7	148
161, 243	Knapp, A. Haydn, Brighton, Mass. Curtain-fixture.	Mar. 23, 1875	931	303	7	501
165, 934	Knapp, A. Haydn, Boston, Mass. Mode of forming sheet-metal rollers.	July 27, 1875	805	247	8	155
165, 935	Knapp, A. Haydn, Newton, Mass. Sheet-metal-shade roller.	July 27, 1875	816	247	8	155
167, 613	Knapp, Albert M., Providence, R. I. Rubber nipple.	Sept. 14, 1875	221	69	8	444
161, 969	Knapp, Charles, New York, N. Y. Die for forming bezels on metallic backs for jewelry.	Apr. 13, 1875	343	115	7	628
162, 292	Knapp, Elijah, San Francisco, Cal. Grain-separator.	Apr. 20, 1875	649	212	7	674
161, 445	Knapp, George S., Chicago, Ill. Hose clamp or patch.	Mar. 23, 1875	743	244	7	477
152, 930	Same. Mounting car-doors.	May 4, 1875	178	59	7	770
163, 017	Same. Safety attachment to pocket-books.	May 11, 1875	278	90	7	791
170, 175	Knapp, George S., assignor to Thomas E. Bennett and Frederic H. Lay, Chicago, Ill. Car-starter.	Nov. 23, 1875	864	270	8	170
158, 511	Knapp, Henry F., New York, N. Y. Torpedo-boat.	Jan. 5, 1875	135	45	7	28
160, 441	Same. Means for raising sunken vessels, &c.	Mar. 2, 1875	164	57	7	372
167, 341	Same. Pneumatic car-brake.	Aug. 31, 1875	1132	356	8	392
163, 664	Knapp, Overt B., assignor to self and R. C. Kelly, Brandon, Wis. Feed-mill.	May 25, 1875	905	287	7	896
160, 205	Knapp, Robert L., Halfmoon Bay, Cal. Wagon-brake.	Feb. 23, 1875	923	304	7	331
167, 402	Same. Side-hill plow.	Sept. 7, 1875	21	6	8	409
158, 420	Knapp, William B., assignor to self and Frank Bumann, Tecumseh, Mich. Cherry-pitter.	Jan. 5, 1875	69	21	7	17
161, 341	Knaust, William, Vienna, Austria. Self-closing cock.	Mar. 30, 1875	1042	339	7	523
164, 843	Same. Steam fire-engine.	June 22, 1875	953	309	7	1080
	Kneal, William H. (See Newman & Kneal.)					
166, 786	Knecht, Adam, Ilchester, and Michael Knecht, Grantsville, Md. Pump.	Aug. 17, 1875	586	181	8	299
	Knecht, Michael. (See Knecht, Adam and Michael.)					
163, 210	Knecht, Victor, Cincinnati, Ohio. Hand jelly-press.	May 11, 1875	457	148	7	814
158, 380	Kneeland, J. N., Burr Oak, Mich. Heating-drum.	Jan. 5, 1875	25	9	7	12
164, 380	Kneeland, Sylvanus R., Boston, Mass. Lamp-shade.	June 15, 1875	526	173	7	1021
	Kuell, William J., et al. (See Gill & Beisel, assignors.)					
165, 420	Knelles, Charles H., assignor to New York Manufacturing Leather Company, New York, N. Y. Manufacture of imitation fabrics.	July 13, 1875	288	85	8	55
	Knepper, John A. (See McQuillin & Knepper.)					
169, 449	Knepper, John A., Delta, Ohio. Gate.	Nov. 2, 1875	115	37	8	751
	Knickelbocker Ice Company. (See Hunt, Augustus, assignor.)					
163, 665	Kuiflin, Dewitt W., Marlborough, N. Y. Berry-cup.	May 25, 1875	906	288	7	896
167, 613	Kuiflin, George W., New York, N. Y. Clothes-clamp.	Sept. 14, 1875	270	85	8	457
166, 074	Knight, Daniel R., and John M. Ripple, Waynesborough, Pa. Carriage-curtain fixture.	July 27, 1875	974	300	8	179
169, 555	Same. same.	Nov. 2, 1875	215	71	8	764
8, 377	Knight, Israel Y., Philadelphia, Pa. Medal. (Design.)	June 8, 1875			7	668
167, 674	Knight, James, Denver, Colo. Key-fastener.	Sept. 14, 1875	271	85	8	451
170, 091	Knight, James, assignor of one-half interest to George Miller, Philadelphia, Pa. Vehicle device for checking horses.	Nov. 16, 1875	762	241	8	849
158, 421	Knight, John A., Auburn, Me. Combined drawers and folding desk.	Jan. 5, 1875	60	21	7	17
158, 422	Same. Looking-glass attachment for bureaus, &c.	Jan. 5, 1875	61	21	7	17
158, 423	Same. Drawers.	Jan. 5, 1875	61	21, 22	7	18
163, 082	Knight, Luther, Arlington, Vt. Circulating steam-boiler.	May 11, 1875	339	110	7	799
158, 591	Knight, Samuel N., Sutter Creek, Cal. Water-wheel.	Jan. 12, 1875	229	77	7	76
159, 584	Knight, Walter, San Andreas, Cal. Velocipede.	Feb. 9, 1875	333	109	7	238
163, 081	Knight, William A., Worcester, Mass. Exercising apparatus.	May 11, 1875	338	110	7	799
169, 711	Knights, John H., assignor to Caleb C. Walworth, Boston, Mass. Aero-gas burner.	Nov. 9, 1875	392	123	8	794
159, 186	Knoblauch, Charles, Munich, Bavaria. Furnace-grate.	Jan. 26, 1875	817	268	7	158
163, 083	Knock, Edwin, Vermont, Ill. Coupling for thrashing-machines.	May 11, 1875	340	110	7	799
	Knodle, Joseph U. (See Johnson, Edwin W., assignor.)					
	Knoebel, Fred. C. (See Knoebel, Jacob C. and Fred. C.)					
165, 240	Knoebel, Jacob C. and Fred. C., Belleville, Ill. Middlings-purifier.	July 6, 1875	91	27	8	21
165, 005	Knoerr, Albert E., San Francisco, Cal. Soda bottle carrier.	July 29, 1875	1117	360	7	1115
167, 544	Knoerr, Jacob F., Orange, N. J. Harness-saddle.	Sept. 7, 1875	145	45	8	426
164, 094	Knoott, Mark, Willimantic, Conn. Cloth-measuring machine.	June 8, 1875	249	85	7	976
164, 095	Knowl s, Daniel C., Lynn, Mass. Kneading-roller.	June 8, 1875	250	86	7	976
	Knowles, J. Henry. (See Knowles, John, assignor.)					
162, 391	Knowles, John, assignor to J. Henry Knowles, Graniteville, Mass. Window-screen.	Apr. 20, 1875	746	243	7	686
158, 381	Knowles, Lucius J., Worcester, Mass. Sirup-pump.	Jan. 5, 1875	25	9	7	12
159, 686	Same. Yarn-beam for looms.	Feb. 9, 1875	421	140	7	251
160, 206	Same. Air-chamber for steam-pumps.	Feb. 23, 1875	924	304	7	331
160, 207	Same. Force-pump.	Feb. 23, 1875	925	301	7	331
162, 176	Same. Loom-pattern chain.	Apr. 20, 1875	514	179	7	661
168, 095	Same. Device for securing the bars in headle-frames.	Sept. 28, 1875	691	218	8	527
171, 390	Same. Valve for steam-pumping engines.	Dec. 21, 1875	720	237	8	1061
161, 795	Knowles, William W., Bastrop, Tex. Cotton-press.	Apr. 6, 1875	175	60	7	594
164, 187	Knowles, Wilson W., assignor of one-half interest to James A. Grannis, Mount Carmel, Conn. Manufacture of carriage-axle boxes.	June 8, 1875	329	112	7	986

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. gr.	Vol.	Page.
167, 261	Knowlton, Albion. (See Watson & Knowlton.)					
162, 392	Knowlton, Henry, Otter Lake, Mich. Log-turner	Aug. 31, 1875	1064	331	8	382
159, 419	Knowlton, John L., Sharon Hill, Pa. Saw-sharpening machine	Apr. 20, 1875	747	{ 243 244	7	686
161, 127	Knowlton, Nathaniel W., Nevada City, Cal. Water-meter	Feb. 2, 1875	159	54	7	206
160, 776	Knox, Israel W. (See Palmer & Knox.)					
166, 207	Knox, John, Auburn, N. Y. Match-box	Mar. 23, 1875	824	270	7	487
160, 442	Knox, Melvin W., Sheridan, N. Y. Potato-digger	Mar. 16, 1875	504	164	7	435
166, 115	Knox, Orville M., Knoxborough, N. Y. Compound for destroying hop-grubs, &c.	Aug. 3, 1875	22		8	202
161, 796	Knudsen, Adolphus A., Brooklyn, N. Y. Printing-telegraph	Mar. 2, 1875	166	57	7	372
165, 449	Knudson, Lewis, San Francisco, Cal. Curtain-cord fastener	July 27, 1875	975	300	8	179
159, 333	Knudson, Peter, Weyauwega, Wis. Beer-cask	Apr. 16, 1875	176	60	7	594
	Knuteson, Knute G., Clinton, Wis. Automatic gate	July 13, 1875	320	94	8	59
	Koch, Frederick, and Robert Brass, Williamsburgh, N. Y. Elongated spools for holding braid, thread, &c.	Feb. 2, 1875	88	30	7	196
	Koch, Johann G. (See Felbinger & Koch.)					
	Koch, John. (See Hien & Koch.)					
161, 521	Koch, Julius J., Saint Louis, Mo. Lubricating compound	Mar. 30, 1875	1217		7	546
	Koch, Paul. (See Pfeiffer, Jacob, assignor.)					
	Koch, Richard. (See Herzog & Koch.)					
167, 614	Koch, Richard, and Hermann Müller, Dortmund, Prussia. Universal turning-lathe	Sept. 14, 1875	221	69	8	444
164, 686	Koerberle, John M., Philadelphia, Pa. Ratchet-drill	June 22, 1875	808	264	7	1088
164, 844	Kochl, William, Huntsville, Tex. Cotton-gin	June 22, 1875	954	309	7	1086
167, 475	Koehler, Henry G., Cleveland, Ohio. Hose and pipe coupling	Sept. 14, 1875	272	85	8	451
158, 592	Koehler, John G., Philadelphia, Pa. Butter-tub	Jan. 12, 1875	230	77	7	56
	Koepfner, Hermann. (See Wannick & Koepfner.)					
	Kohlberg, Jacob, et al. (See Broas, Richard M. C., assignor.)					
	Köhler, Ernst H. (See Kiehl & Köhler.)					
159, 420	Köhler, Friedrich, assignor of one-half interest to Henry Zimmerman, Allegheny, Pa. Pipe and nut-wrench	Feb. 2, 1875	160	54	7	206
	Köhler, Jacob P. (See Metzger & Köhler.)					
	Kohlmann, Charles. (See Blank, Bart M. J., assignor.)					
	Kokosing Oil Company. (See Neff & Fales, assignors.)					
159, 421	Komp, Albert, New York, N. Y. Clasp for scarf-slides	Feb. 2, 1875	161	54	7	207
170, 360	Same..... Ornamental fabric for skirts and other articles	Nov. 23, 1875	1043	328	8	895
167, 178	Konz, Sebastian, assignor of one-half interest to Albert H. Stein, Louisville, Ky. Fire-escape	Aug. 31, 1875	996	310	8	372
167, 342	Konz, Sebastian, Louisville, Ky. Fireman's extension-ladder	Aug. 31, 1875	1134	{ 356 357	8	392
	Koop, A. F., et al. (See Shisser, Benjamin, assignor.) (Reissue.)					
	Kopp, Charles. (See Niedermair, George, assignor.)					
160, 105	Koppes, William M., Seville, Ohio. Grain-separator	Feb. 23, 1875	829	276	7	320
161, 797	Korff, John K., Georgetown, D. C. Combined water-cooler and refrigerator	Apr. 6, 1875	177	60	7	594
159, 187	Körting, Ernst, Hanover, Germany. Car-ventilator	Jan. 26, 1875	818	269	7	158
160, 443	Same..... Steam-jet gas-exhauster	Mar. 2, 1875	166	57	7	372
168, 029	Körting, Ernst, Manchester, England. Grain-elevator	Sept. 21, 1875	600	191	8	508
166, 877	Kosloff, Stephane A., Paris, France. Electric light	Aug. 17, 1875	673	209	8	311
	Koster, John. (See Schlich & Koster.)					
168, 753	Kotzum, Wenzel L., assignor of one-half interest to Henry E. Scotchmer, Chicago, Ill. Hemmer attachment for sewing-machines	Oct. 11, 1875	420	137	8	632
163, 666	Kraft, John, Newark, N. J. Apparatus for shaping pantaloons	May 25, 1875	906	288	7	896
168, 839	Kraton, Ephraim, New York, N. Y. Dust-pan	Oct. 49, 1875	507	166	8	652
162, 829	Kranich, Hellmuth, and Jacques Bach, New York, N. Y. Piano-forte agraffe	May 4, 1875	84	28	7	758
162, 078	Kranz, Friedrich, Sandusky, Ohio. Beer-cooler	Apr. 13, 1875	434	144	7	640
164, 744	Kratz, Otto, et al. (See Robert, Julius, assignor.)					
160, 601	Krausch, Theodore, New York, N. Y. Refrigerator-building	June 22, 1875	861	280	7	1075
165, 335	Krause, Frederick W. (See Reupke, Henry, assignor.)					
163, 211	Krauss, Stephan, Clinton, N. Y. Ice-ormer	Mar. 9, 1875	322	109	7	404
161, 342	Kreider, Samuel H., Philadelphia, Pa. Heating-stove	July 6, 1875	174	53	8	33
161, 461	Krein, Franz, and Henry Franck, Saint Louis, Mo. Tuxere	May 11, 1875	457	148	7	814
167, 343	Kreitz, Theodore W. (See Rosenbusch, Andrew, assignor.)					
161, 342	Kreitzer, William, Mendota, Ill. Window-sash	Mar. 30, 1875	1042	339	7	523
167, 343	Krelwitz, Edmund F., assignor to self and Joseph Mitchell, Humboldt, Mich. Clothes-pin	June 15, 1875	604	195	7	1031
160, 917	Krepps, James W., New York, N. Y. Trunk	Aug. 31, 1875	1135	357	8	392
	Kreter, Rudolph, New York, N. Y. Child's carriage	Mar. 16, 1875	619	{ 202 203	7	451
8, 854	Krick, George, et al. (See Pielh, John F., assignor.)					
165, 492	Krick, Moritz, New York, N. Y. Head of stair-carpet fasteners... (Case A. Design)	Dec. 21, 1875			8	1034
162, 293	Kriete, Heinrich, Newport, Ky. Folding bedstead	July 13, 1875	360	106	8	65
170, 744	Kring, Frederick, Johnstown, Pa. Water-wheel	Apr. 20, 1875	650	212	7	674
168, 905	Kritch, Jacob, Cleveland, Ohio. Machine for forming collars on carriage-axles	Dec. 7, 1875	82	26, 27	8	961
	Kroeger, Casper and Werner, Milwaukee, Wis. Cracker show-case	Oct. 19, 1875	572	188	8	661
	Kroeger, Werner. (See Kroeger, Casper & Werner.)					
	Kroeschell, Herman. (See Thielepape & Kroeschell.)					
166, 281	Krog, Henry, sr., Washington, Mo. Plow	Aug. 3, 1875	90	27	8	212
163, 084	Krom, Hiram, Dartford, Wis. Automatic gate	May 11, 1875	340	111	7	799
158, 800	Krom, Stephen R., New York, N. Y. Ore-crushing machine	Jan. 19, 1875	434	145	7	100
169, 009	Krouse, John G., Onslow, Iowa. Hay raker and loader	Oct. 19, 1875	662	217	8	674
162, 830	Krouse, Samuel R., San Francisco, Cal. Overalls	May 4, 1875	85	28	7	758
168, 647	Krueger, Ernst, New York, N. Y. Child's carriage	Oct. 11, 1875	328	107	8	619
166, 533	Krüger, Heinrich, jr., New York, N. Y. Street-car coupling	Aug. 10, 1875	340	104	8	255
168, 401	Same..... Window-scaffold	Oct. 5, 1875	74	26	8	575
163, 085	Krumsick, Henry, Nashville, Ill. Press for cider, &c.	May 11, 1875	341	111	7	799
170, 275	Same..... Cider mill and press	Nov. 23, 1875	952	298	8	883
	Kruse, Fredrick. (See Greenleaf & Kruse.)					
170, 745	Kruse, Henry, assignor to Ferdinand Schumacher, Akron, Ohio. Oatmeal machine	Dec. 7, 1875	84	27	8	961
166, 991	Kruse, Lauritz T., assignor of one-fourth interest to Charles Wegener, New York, N. Y. Hose-bridge	Aug. 24, 1875	799	248	8	337
166, 704	Krutzsch, William, assignor to George W. Hogien and Charles E. Pease, Dayton, Ohio. Milling-machine	Aug. 17, 1875	510	156	8	288
166, 705	Same..... Gear-cutting attachment	Aug. 17, 1875	512	157	8	288
166, 787	Same..... Tool-holding attachment for metal-lathes	Aug. 17, 1875	587	181	8	299
168, 086	Kuehn, William, Cincinnati, Ohio. Manufacture of oil pictures for transferring	Sept. 28, 1875	691	218	8	527
166, 260	Kuennen, F. Wilhelm, New York, N. Y. Bung for barrels and casks	Aug. 3, 1875	90	27	8	212
159, 272	Kueppers, Otto, Philadelphia, Pa. Neck-tie	Feb. 2, 1875	28	9	7	188
159, 422	Same..... Neck-tie shield	Feb. 2, 1875	162	55	7	201

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. & C.	Vol.	Page.
169, 109	Kuessner, Edward, and Theodore Brener, Cincinnati, Ohio. Oil-can .....	Oct. 26, 1875	782	254	8	697
160, 777	Kuh, Sol, Jefferson, Iowa. Straw-twisting machine .....	Mar. 16, 1875	505	164	7	435
150, 473	Same..... Clamp .....	Mar. 17, 1875	505	164	7	436
159, 428	Kullmann, Henry, Hamburg, Germany. Pegging-machine .....	Feb. 2, 1875	363	55, 56	7	207
158, 717	Kuhn, Franz A. (See Nax & Kuhn) .....	(Design.)				
160, 829	Kuhn, George, Saint Louis, Mo. Dredger .....	Jan. 12, 1875	339	116	7	72
161, 688	Kuhns, Benjamin. (See Regan, Barnerd, assignor) .....	(Reissue.)				
163, 212	Kullrich, Franz F., Berlin, Prussia. Album .....	Mar. 16, 1875	550	179	7	442
159, 334	Kumpf, Adam, Buffalo, N. Y. Machine for crushing bones .....	Apr. 6, 1875	85	30	7	581
162, 831	Kunkle, Erastus B., assignor to self and E. Bostick, Fort Wayne, Ind. Lock-up safety-valve .....	May 11, 1875	458	148	7	814
161, 689	Kuzendorf, Emil, Newark, N. J. Fire-proof roofing composition .....	Feb. 2, 1875	88	30	7	196
154, 502	Kurus, August, Belleville, Ill. Gag for animals .....	May 4, 1875	86	21	7	759
168, 163	Kurscheidt, Frederic A. (See King, George, assignor) .....	Apr. 6, 1875	86	30	7	581
163, 213	Same..... (Reissue.) .....	Jan. 5, 1875	136	45	7	28
163, 214	Kurth, Charles, Chattanooga, Tenn. Oiler for crank-wrists .....	Sept. 28, 1875	759	240	8	537
171, 573	Kurth, Hermann, Milwaukee, Wis. Grain-separator .....	May 11, 1875	459	148	7	814
160, 779	Kurtz, Charles H., South Dansville, N. Y. Rotary engine .....	May 11, 1875	459	149	7	815
159, 585	Kurtz, John K. (See Kittinger & Kurtz) .....	Dec. 28, 1875	904	296	8	1005
163, 385	Kurtzman, Martin, Shelby, Ohio. Car-coupling .....	Mar. 16, 1875	506	164	7	436
164, 188	Kurz, Carl, New York, N. Y. Carriage-curtain fastener .....	Feb. 9, 1875	333	110	7	238
162, 177	Kutz, John D., Sunbury, Pa. Gas apparatus .....	May 18, 1875	638	204	7	851
159, 938	Kyle, George W., Milo, Ohio. Car-coupling .....	June 8, 1875	329	112	7	986
166, 878	Laanwe, Cornelius, and Richard J. Wyncoop, Paterson, N. J. Car-brake .....	Apr. 20, 1875	545	179	7	661
161, 123	La Bay, Ephraim A., Philadelphia, Pa. Bird-house .....	Feb. 16, 1875	671	222	7	289
169, 178	Laube, Marie T., Paris, France. Dental cement .....	Aug. 17, 1875	675		8	312
170, 276	La Blanc, John, and Xavier St. Pierre, Ophir City, Utah. Envelope-opener .....	Mar. 23, 1875	855	270	7	487
171, 519	Same..... Key-hole guard .....	Oct. 26, 1875	840	274	8	707
166, 932	Same..... Envelope-opener .....	Nov. 23, 1875	953	298	8	853
171, 520	Labounty, Leonard J., assignor to William E. Whitehead and Abel T. Atherton, Lowell, Mass. Warp-beam apron for looms .....	Dec. 28, 1875	836	280	8	1088
166, 932	Same..... Loom-picker fastening .....	Dec. 28, 1875	857	280	8	1088
166, 932	Lachicotte & Sons, P. R. (See Lachicotte, Philip R., assignor.)					
166, 932	Lachicotte, Philip R., assignor to P. R. Lachicotte & Sons, Georgetown Post-Office, S. C. Scouring and polishing rice .....	Aug. 24, 1875	800		8	337
166, 014	Lachler, John, Erie, Pa. Hasp-lock .....	July 27, 1875	878	271	8	165
165, 592	Lackman, William, New York, N. Y. Wagon-brake .....	July 13, 1875	450	136	8	79
158, 091	Lacmann, Jacob, Philadelphia, Pa. Plate for guiding a hand-knife in cutting cloth .....	Jan. 19, 1875	435	145	7	100
170, 092	Lacy, George E., Suspension Bridge, N. Y. Car-coupling .....	Nov. 16, 1875	763	241	8	819
171, 231	Lacy, Walter, Milwaukee, Wis. Cooking-utensil .....	Dec. 21, 1875	574	189	8	1042
164, 845	Ladd, Dennis O'B. (See Foster & Ladd.)					
164, 169	Ladd, Fannie E. (See Ladd, Herman W., assignor.)					
160, 339	Ladd, George W., New York, N. Y. Thill-coupling .....	June 22, 1875	955	309	7	1087
165, 336	Ladd, Hermon W., assignor to Fannie E. Ladd, Chelsea, Mass. Furniture-spring .....	June 8, 1875	330	112	7	987
165, 337	Ladd, Leonard E., Philadelphia, Pa. Stand for holding umbrellas .....	Mar. 2, 1875	75	26	7	329
165, 337	Ladd, Story B., Washington, D. C. Device for operating car-brakes .....	July 6, 1875	175	51	8	33
171, 391	Same..... Automatic air-brake .....	July 6, 1875	175	51	8	33
168, 648	Ladenberger, Frederick D., Glenbeulah, Wis. Harrow-attachment for cultivator-plows. La Dow, Charles, Ballston, N. Y. Wheel bay-rake .....	Oct. 21, 1875	732	237	8	1041
169, 556	Lafferty, Denis H., San Francisco, Cal. Batter-feeder for cake-making .....	Dec. 11, 1875	339	107	8	619
162, 832	Lafferty, John M., Mansfield Valley, Pa. Extensible coal-chute .....	Nov. 2, 1875	216	71	8	764
161, 129	Laffrey, Anthony. (See Wheeler & Laffrey.)					
158, 943	Lafin, Matthew, Chicago, Ill. Collecting gold, silver, &c., from their ores .....	Mar. 23, 1875	825	270	7	487
167, 909	La Force, Nelson. (See De Witt, John L., assignor.)					
162, 665	Lagowitz, Jacob. (See Frankel, Alexander, assignor.)					
167, 909	Lahaye, John J., Reading, Pa. Car-coupling .....	Jan. 19, 1875	474	190	7	118
162, 665	Larb, Christian T., New London, Wis. Bedstead-fastening .....	Sept. 21, 1875	498	158	8	492
164, 567	Laing, James, Dundee, North Britain. Sewing-machine .....	Apr. 27, 1875	1013	{ 324 } { 325 }	7	723
159, 031	Laing, Walter W., Holly, Mich. Machine for making eaves-troughs .....	June 15, 1875	691	224	7	143
158, 503	Laird, Peter B., assignor to self and Robert W. Laird, Saint Johnsbury, and Hiram Moody, Peacham, Vt. Wheel for dressing stones .....	Jan. 26, 1875	680	223	7	139
159, 424	Laird, Robert W., et al. (See Laird, Peter B., assignor.)					
160, 208	Lajoie, Moses, and Matbias Poncelet, Detroit, Mich. Aerating ale and beer in casks .....	Jan. 5, 1875	137	45	7	28
162, 666	Lake, Ezra B., Tom's River, N. J. Curtain-fixture .....	Feb. 2, 1875	165	56	7	217
162, 666	Lake, Ezra B., Tom's River, N. J. Curtain-fixture .....	Feb. 23, 1875	926	301	7	232
169, 451	Same..... same .....	Apr. 27, 1875	1016	325	7	78
170, 277	Same..... same .....	Nov. 2, 1875	115	37	8	74
171, 232	Same..... same .....	Nov. 23, 1875	953	298	8	883
161, 418	Lake, James K., and Bernard McDerritt, Chicago, Ill. Trace-fastening .....	Dec. 21, 1875	575	189	8	1132
171, 233	Lakey, John H., Turner Junction, Ill. Device for drilling rails .....	Mar. 30, 1875	1117	361	7	52
6, 633	Lakey, John H., and James G. Mills, Turner Junction, Ill. Machine for cutting iron .....	Dec. 21, 1875	576	189	8	1142
6, 634	Lance and Grosjean Manufacturing Company. (See Milligan, John C., assignor.)					
159, 687	Lamb, Daniel M., London, Canada. Dental plate .....	Sept. 7, 1875	201	63	8	434
161, 886	Same..... same .....	Sept. 7, 1875	202	63	8	434
170, 570	Same..... same .....	Feb. 9, 1875	422	140	7	251
164, 309	Lamb, George, Boston, Mass. Washing-list .....	Apr. 13, 1875	273	92	7	619
161, 522	Lamb, John, Jeffersonville, N. Y. Gage for shears .....	Nov. 30, 1875	1235	340	8	930
164, 190	Lamb, Joseph G., Norwich, Conn. Splicing-ring .....	June 8, 1875	446	147	7	1092
164, 190	Lamb, Joseph R., Jacksonville, Ill., assignor to Ambrose Marriott, Saint Louis, Mo. Boiler for water-heaters .....	Mar. 30, 1875	1217	391	7	546
164, 190	Lamb, J. Warren, Whitestone, N. Y. Cover, griddle, &c., of stove-tops .....	June 8, 1875	331	113	7	987
170, 569	Lamb, Samuel T. (See Howarth, John, assignor.)					
168, 570	Lamb, Thomas B., Lowell, Mich. Fo der-cutter .....	Nov. 30, 1875	1234	329	8	939
160, 529	Lamb, Watson F., Wilbraham, Mass., assignor to self and James B. Atwood. Game-board .....	Oct. 11, 1875	254	83	8	608
167, 676	Lambart, Richard C., Quincy, assignor to Fred S. Potter, trustee, New Bedford, Mass. Machine for trimming the heels and soles of boots and shoes .....	Mar. 9, 1875	258	88	7	394
171, 392	Lambart, Richard C., Quincy, assignor of one-half interest to Henry E. Townsend, Boston, Mass. Machine for lasting boots and shoes .....	Sept. 14, 1875	273	55, 86	8	452
170, 278	Lambert, Claude L., Paris, France. Carbon-photograph .....	Dec. 21, 1875	722		8	1061
170, 278	Lambert, Peter E., New Orleans, La. Needle-threader .....	Nov. 23, 1875	954	299	8	883

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
161, 887	Lambert, Peter L., Boston, Mass. Foot-rest for easy-chairs	Apr. 13, 1875	274	92	7	619
171, 145	Lambie, Robert M., and George F. Sargent, New York, N. Y. Folding table	Dec. 14, 1875	466	153	8	1019
459, 763	Lamborn, William L., Steel Works, Pa. Railway-frog	Feb. 16, 1875	502	170	7	268
169, 274	Lamborn, William L., assignor to Joseph S. Williams, Riverton, N. J. Railway-switch	Oct. 26, 1875	926	300 301	8	718
8, 702	Lamm, Jennie C., Hopedale, Ill. Wall-pocket	Oct. 5, 1875			8	561
159, 513	La Monte, George, and John H. Hall, New York, N. Y. Process of ornamenting writing-paper	Feb. 9, 1875	280	90	7	230
159, 516	Same..... Figured writing-paper	Feb. 9, 1875	281		7	230
170, 4-0	Same..... Process of ornamenting dry paper	Dec. 14, 1875	340	116	8	1004
162, 756	La Mothe, Bernard J., New York, N. Y. Car-platform	Nov. 30, 1875	1154	364	8	919
	Lamphere, Charles A., Arkport, N. Y. Feathering paddle-wheel	May 4, 1875	18	7	7	749
170, 676	Lampkin, H. S., et al. (See Rhodes & Redmond, assignors)					
	Lampson, Daniel, assignor of one-half interest to Milton Pottinger, Rockford, Ill. Windmill	Dec. 7, 1875	50	6, 7	8	953
168, 566	Lampton, William R., Knightsville, Ind. Rotary churn	Oct. 5, 1875	169	54	8	588
	Lamson, Edwin, et al. (See Johnson, Henry M., assignor.)					
	Lamson, William F. (See Borgman & Lamson.)					
167, 910	Lancaster, Israel, Richmond, Ind. Church-pew	Sept. 21, 1875	428	158	8	492
	Landenberger, George W., et al. (See Landenberger, Martin, jr., assignor.) (Design.)					
	Landenberger, John, et al. (See Landenberger, Martin, jr., assignor.) (Design.)					
8, 822	Landenberger, Martin, jr., assignor to John and George W. Landenberger, Philadelphia, Pa. Stocking-leg	Dec. 7, 1875			8	495
158, 953	Lander, George, assignor to self and Thomas M. Carnegie, Pittsburgh, Pa. Joint for wrought-iron pipes	Jan. 19, 1875	579	192	7	119
	Landers, Frary & Clark. (See Frary, James D., assignor.) (Design.)					
	Same..... (See Girard, John, assignor.) (Design.)					
	Same..... (See Turnbull, Andrew, assignor.)					
	Same..... (See Webb, Rodolphus L., assignor.)					
165, 593	Landes, Adolph, New York, N. Y. Neck-tie	July 13, 1875	450	136	8	79
170, 861	Landfar, William R., Brooklyn, N. Y., assignor to self and Nathan E. Campbell, Hartford, Conn. Lathe for turning spools	Dec. 7, 1875	182	62	8	975
161, 970	Landis, Frank F., Lancaster, Pa. Portable steam-engine	Apr. 13, 1875	344	116	7	628
158, 718	Landis, Israel L., Lancaster, Pa. Combined ironing-board and step-ladder	Jan. 12, 1875	340	116	7	72
459, 188	Same..... Farm-fence	Jan. 26, 1875	818	269	7	158
165, 936	Same..... Buckle for harness	July 27, 1875	807	247	8	135
159, 189	Landis, Jacob F., Harrisburgh, Pa. Cheese-mill	Jan. 26, 1875	819	269	7	159
170, 351	Landis, Roland R., Chicago, Ill. Playing-card	Nov. 23, 1875	1044	328	8	895
	Landon, David G. (See Bible, Andrew J., assignor.)					
170, 093	Landon, Reuben A., Goldes, assignor of half interest to Richard A. Davis, Syracuse, N. Y. Measuring-funnel	Nov. 16, 1875	764	241	8	850
160, 602	Landphere, Perry F., assignor to self and Deloss Jones, Morris Post-Office, Ill. Cultivator	Mar. 9, 1875	323	109	7	404
163, 932	Landriem, Gustave, Brussels, Belgium. Automatic music-recorder	June 1, 1875	78	26, 27	7	541
170, 631	Landrum, John E., Hebron, Ohio. Ditching-machine	Nov. 30, 1875	1299	410	8	938
165, 739	Landt, Tilton, Ithaca, N. Y. Rotary churn	July 20, 1875	597	183	8	115
165, 104	Lane, Alfred, and John H. Cullom, Charlotte, Tenn. Tobacco-knife	June 29, 1875	1266	388	7	1127
	Lane & Bodley. (See Lane & Smith, assignors.)					
	Same..... (See Pearce, Henry, assignor.)					
	Same..... (See Smith & Myers, assignors.)					
	Lane Brothers. (See Lane, William J., assignor.)					
158, 949	Lane, Davis M., Philadelphia, Pa. Vehicle side spring	Jan. 19, 1875	575	190	7	118
6, 320	Lane, John, Chicago, Ill., assignor, by mesne assignments, to Hapgood & Co., Saint Louis, Mo. Plow	Mar. 9, 1875	449	149	7	421
6, 405	Lane, John, jr., Chicago, Ill., assignor to Hapgood & Co. and Furst & Bradley, Plow. (Reissue.)	Apr. 27, 1875	1165	243	7	738
162, 240	Lane, John, assignor to Hapgood & Co., Saint Louis, Mo. Plow	Apr. 20, 1875	604	198	7	668
	Lane, John G. (See Lane, William J., assignor.)					
	Lane Manufacturing Company. (See Carpenter, Ward B., assignor.)					
	Same..... (See Fairbanks, Chester M., assignor.)					
	Lane, Peter. (See Wise & Lane.)					
158, 950	Lane, Peter, Elwood, Ind. Hog-trap	Jan. 19, 1875	576	191	7	118
158, 951	Lane, Philander P., and Samuel R. Smith, assignor to Lane & Bodley, Cincinnati, Ohio. Hydraulic elevator	Jan. 19, 1875	577	191	7	118
163, 215	Lane, Turner H., Holly Springs, Miss. Guide-wheel for car-trucks	May 11, 1875	460	149	7	815
159, 517	Lane, William J., Millbrook, N. Y. Coffee-mill	Feb. 9, 1875	281	91	7	230
155, 338	Lane, William J., assignor to Lane Brothers, Millbrook, N. Y. Gearing for driving sewing and other light machines	July 6, 1875	176	54	8	33
165, 330	Lane, William J., assignor of one-half interest to John G. Lane, Millbrook, N. Y. Hydraulic motors for driving sewing-machines, &c.	July 6, 1875	178	54	8	33
159, 586	Lane, Zenas M., Rockland, Mass. Awning-hook	Feb. 9, 1875	334	110	7	238
162, 241	Same..... Machine for taperingorks	Apr. 20, 1875	665	198	7	669
169, 999	Laney, William S., Lithopolis, Ohio. Pump	Nov. 16, 1875	673	212	8	838
171, 146	Langdon, George W., Greene, N. Y. Stove-pipe shelf	Dec. 14, 1875	468	153	8	1020
	Langdon, Leander W., Northampton, Mass. Sewing-machine (Extension.)	Jan. 21, 1875			7	232
158, 504	Lange, Adam and Carl, Saint Louis, Mo. Show-case	Jan. 5, 1875	137	46	7	28
	Lange, Carl. (See Lange, Adam and Carl.)					
161, 244	Lange, Ferdinand A., Glashutte, Saxony. Watch-plate	Mar. 23, 1875	931	304	7	501
159, 425	Langellier, Antoine, Concord, N. H. Car-coupling	Feb. 2, 1875	166	57	7	207
163, 667	Langen, Eugen, Cologne, Germany, assignor to F. O. Matthiessen and Wicber's Sugar Refining Company, Jersey City, N. J. Manufacture of hard sugar	May 25, 1875	907		7	866
164, 462	Langresser, Emil, assignor to Elsas, May & Co., Atlanta, Ga. Paper bag	June 15, 1875	604	195	7	1031
163, 216	Langhorne, Maurice, Maysville, Ky. Bill-file	May 11, 1875	461	149	7	815
161, 971	Langley, James M., assignor of one-third interest to James C. Sawyer, Double Bridges, Tenn. Pitman-connection for pumps	Apr. 13, 1875	345	116	7	628
166, 938	Langley, Nicholas, Sioux City, Mo. Washing-machine	July 27, 1875	808	248	8	156
166, 931	Langley, Samuel D. C., Erie, Pa. Toy hoop or trundle	Aug. 24, 1875	735	227	8	329
166, 015	Langstrath, Thomas, Germantown, Pa. Hot-air furnace	July 27, 1875	879	271	8	165
166, 350	Langwell, William, Attercliffe, England, assignor to Baker Brothers & Co., Baltimore, Md. Machine for finishing bottle-necks	Aug. 3, 1875	192	57	8	226
8, 576	Langworthy, John F., New York, N. Y. Fan	Aug. 24, 1875			8	392
	Lankler, Charles, et al. (See Souter, Joseph, assignor.)					
	Same..... (See Waggoner, Samuel T., assignor.)					
166, 879	Lannan, William, Union Bridge, Md. Car-coupling	Aug. 17, 1875	676	209	8	312



## Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
160, 209	Lanth, Bernard, Howard, Pa. Polishing iron bars and rods. (Extension).	Mar. 30, 1875	.....	.....	7	515
	Lanth, John N., Pittsburgh, Pa. Reworking steel.	Feb. 23, 1875	927	.....	7	332
165, 450	Lavender, James S. (See Brooks & Lavender.)					
	Lavey, Joseph E. (See Wetmore, Albert S., assignor.)					
165, 341	Law, Edward M., assignor of one-half interest to Holland Belfry, Bell Ewart, Canada.	July 13, 1875	321	94	8	59
	Car-coupling.	July 6, 1875	181	55	8	34
165, 262	Law, James and Samuel, Cleeckheaton, England. Machine for rolling wire.	Sept. 28, 1875	843	269	8	548
169, 645	Law, Lewellyn P., Chicago, Ill. Valve-grinder.					
	Law, Samuel. (See Law, James and Samuel.)					
165, 421	Lawless, John H., Jersey City, N. J. Adjusting plumbers' faucets.	Nov. 9, 1875	325	103	8	785
170, 279	Lawlor, John D., Montreal, Canada. Washing-machine.	Nov. 13, 1875	890	86	8	55
171, 521	Same.	Nov. 23, 1875	954	299	8	883
	Lawrence, Charles A., Beverly, Mass. Umbrella-stand.	Dec. 28, 1875	538	280	8	1088
165, 650	Lawrence, Charles D., and Charles E. Ward, Fairfield, Me. Adjusting feed-rolls for planing machines.	Oct. 11, 1875	331	108	8	69
160, 688	Lawrence Curry Comb Company. (See Holmes, Charles E. L., assignor.)					
	Same. (See Lawrence, William E., assignor.) (Reissue.)					
171, 393	Lawrence, George, Williamsburgh, N. Y. Air-register.	Mar. 9, 1875	397	133	7	414
	Lawrence, James. (See Herschelt & Lawrence.)					
159, 939	Lawrence, John S. (See Burton, William S., assignor.)					
	Lawrence, Lewis P., Port Morris, N. J. Honing-table.	Dec. 21, 1875	723	237	8	1061
160, 210	Lawrence, L. Lovell. (See Morgan, Edmond, assignor.)					
	Lawrence, L. Lovell, and George S. Thomas, assignors to Wayne Agricultural Company, Dublin, Ind. Corn-planter.	Feb. 16, 1875	672	223	7	289
158, 324	Same. Cultivator.	Feb. 23, 1875	928	305	7	332
161, 690	Lawrence, Samuel, New York, N. Y. Self-closing hatchway.	Jan. 5, 1875	62	22	7	18
161, 788	Lawrence, Theodore C., Ladoga, Ind. Miter-box.	Apr. 6, 1875	87	30	7	581
	Same. Lamp attachment.	Apr. 6, 1875	178	61	7	594
6, 605	Lawrence, William A. (See Whiting & Lawrence.)					
	Lawrence, William E., New York, N. Y., assignor to Lawrence Curry Comb Company. Curry-comb. (Reissue.)	Aug. 24, 1875	945	295	8	358
165, 451	Lawrence, William S., assignor of one-half interest to Lebeus C. Chapin, Kalamazoo, Mich. Plow.	July 13, 1875	322	94	8	59
158, 954	Lawson, James A., Troy, N. Y. Hot-air furnace.	Jan. 19, 1875	550	192 } 193 }	7	119
170, 862	Lawson, James F., Butler, Mo. Washing-machine.	Dec. 7, 1875	183	62	8	975
163, 217	Lawson, Peter B., Cold Spring, N. Y. Expanding-mandrel.	May 11, 1875	462	150	7	815
164, 568	Lawson, Peter B., assignor to Gouverneur Paulding, Cold Spring, N. Y. Breech-loading ordnance.	June 15, 1875	692	224	7	1043
161, 691	Lawther, Alfred B., Chicago, Ill. Machine for crushing oleaginous seeds.	Apr. 6, 1875	88	31	7	581
163, 933	Same. Machine for moistening oleaginous seeds.	June 1, 1875	80	27	7	942
162, 164	Same. Process for treating oleaginous seeds.	Sept. 28, 1875	759	.....	8	537
165, 105	Lawton, Edwin R., et al. (See Peck, Franklin, assignor.)					
160, 603	Lawton, James, and James A. Gibson, Cincinnati, Ohio. Upright boiler for ranges, stoves, &c.	June 29, 1875	1206	388	7	1127
	Lay, Frederic H., et al. (See Knapp, George S., assignor.)					
161, 799	Layman & Aukner. (See Layman, Ephraim, assignor.)					
	Layman, Ephraim, assignor to Layman & Aukner, Brooklyn, N. Y. Umbrella-handle.	Mar. 9, 1875	324	109	7	404
161, 799	Layton, C. A. (See Williams, Henry M., assignor.)					
161, 600	Lazear, Cornelius G., Chicago, Ill. King-bolt.	Apr. 6, 1875	178	61	7	595
159, 689	Same. Carriage-spring.	Apr. 6, 1875	179	61	7	595
159, 689	Leach, Edwin E., Cedar Rapids, Iowa. Wheel-cultivator.	Feb. 9, 1875	423	141	7	251
159, 690	Same. Riding-harrow.	Feb. 9, 1875	424	142	7	251
158, 933	Leach, Henry B., Boston, Mass. Faucet.	Jan. 12, 1875	231	77	7	56
170, 001	Leach, Joseph D., Penobscot, Me. Navigator's bearing-indicator.	Nov. 16, 1875	674	212	8	838
170, 002	Leach, Matthew, assignor to self and John Smith, Youngstown, and John G. Decker, Coitsville, Ohio. Nail-plate feeder.	Nov. 16, 1875	675	212 } 213 }	8	888
168, 754	Leach, William, Omaha, Nebr. Gate-fastening.	Oct. 11, 1875	421	137	8	632
162, 757	Leach, William S., et al. (See Harwood, George D., assignor.)					
160, 271	Leading, George W., Lacon, assignor to Frank Sturges & Co., Chicago, Ill. Stove-pipe damper.	May 4, 1875	19	7	7	749
159, 764	Leahy, Daniel F., Portland, Ore. Telegraph sounder and recorder.	Mar. 2, 1875	15	6	7	351
160, 016	Lear, Peter, Medford, Mass. Loom-shuttle.	Feb. 16, 1875	509	171	7	268
166, 016	Learned, Albert C. (See Learned, Stephen D., assignor.)					
	Learned, Stephen D., Pawtucket, R. I., assignor to Albert C. Learned, Bergen, N. J. Spooling-machine.	July 27, 1875	880	271	8	166
163, 218	Leary, John. (See Ives & Leary.)					
	Leary, Walter I. (See White & Leary.)					
163, 218	Leas, J. Silas, Rock Island, Ill. Reclining-chair.	May 11, 1875	462	150	7	815
171, 147	Leaverton, Robert T., Holden, Mo. Device for exhibiting shoes.	Mar. 30, 1875	1221	393	7	546
163, 018	Leavitt, Albert, assignor to Michael H. Simpson, Boston, Mass. Wax-thread sewing-machine.	Dec. 14, 1875	469	153	8	1629
165, 006	Leavitt, Erasmus D., jr., Cambridge, Mass. Pump.	May 11, 1875	279	90	7	791
166, 706	Same. Steam-boiler.	June 29, 1875	1118	364	7	1115
166, 706	Same. Steam-engine.	Aug. 17, 1875	513	157	8	288
160, 211	Leavitt, Rufus, et al. (See Chase, Frank, assignor.)					
	Leber, Samuel, et al. (See Anthes, Frederick, assignor.)					
160, 211	Lechner, Frances M., Waynesburgh, Ohio. Washing-machine.	Feb. 23, 1875	930	305	7	332
165, 452	Leck, John. (See Düring & Leck.)					
	Leckrone, Emanuel K. (See Smith, Israel E., assignor.)					
163, 911	Leclanché, George L., Paris, France, assignor to Hilberno L. Roosevelt. Galvanic battery.	July 13, 1875	323	94	8	59
167, 911	Le Comte, Joseph, et al. (See Perkins, George H., assignor.)					
162, 394	Leeraw, Benjamin P., Salem, Mass. Reefing and furling gaff top-sails.	Sept. 21, 1875	499	158	8	492
162, 394	Lee, Archibald K., Galveston, Tex., assignor of one-third interest to James R. McClintock. Process of reducing asphaltum to a liquid.	Apr. 20, 1875	750	.....	7	686
162, 079	Lee, George W. (See Lee, Luther B. and George W.)					
163, 086	Lee, George W., Homeworth, Ohio. Feed-cutting-machine spike.	Apr. 13, 1875	435	145	7	640
167, 105	Lee, Harvey T., assignor to J. S. Hodges, Chicago, Ill. Toy.	May 11, 1875	342	111	7	799
166, 925	Lee, Henry, Mahabalsville, Ind. Cotton-stalk puller.	Aug. 24, 1875	904	282	8	352
8, 382	Lee, Henry M., London, Great Britain. Preserving ferns, plants, &c.	Aug. 24, 1875	802	.....	8	3.8
8, 382	Lee, Homer, New York, N. Y. Paper-weight. (Design.)	July 13, 1875	.....	.....	8	49
8, 804	Same. Ink-stand. (Design.)	Nov. 23, 1875	.....	.....	8	862
160, 119	Lee, James, Milwaukee, Wis. Breech-loading fire-arm.	Mar. 16, 1875	621	203	7	451



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163, 481	Lee, James, Milwaukee, Wis. Cartridge-box.....	Apr. 27, 1875	554	{ 274 275 }	7	708
169, 180	Lee, James G. C., New York, N. Y. Lard-cooler.....	Oct. 26, 1875	840	274	8	707
158, 425	Lee, John, Hazelton, Pa. Fire-box attachment to steam-boilers.....	Jan. 5, 1875	63	22	7	13
166, 788	Lee, John, Lyons, Iowa. Hub-boring machine.....	Aug. 17, 1875	588	181	8	269
171, 291	Lee, John, San Francisco, Cal. Spittoon-mat.....	Dec. 21, 1875	631	206	8	1049
163, 068	Lee, Luther B. and George W., Ridgewood, N. Y. Fly-net.....	May 25, 1875	907	288	7	896
168, 032	Lee, Richard, New York, N. Y. Composite roof.....	Sept. 21, 1875	604	194	8	568
159, 191	Lee, Robert, Cincinnati, Ohio. Horseshoe.....	Jan. 26, 1875	821	270	7	179
163, 789	Same..... Mail-bag fastener.....	May 25, 1875	1008	320	7	910
170, 632	Lee, Thomas J., Pender County, N. C. Cultivator.....	Apr. 20, 1875	1301	410	8	938
167, 344	Leeka, David W., Pium Hollow, Iowa. Tug-slide.....	Aug. 31, 1875	1136	357	8	392
160, 355	Leely, Liberty J., Waldron, Ind. Draft-equalizer.....	Mar. 2, 1875	87	32	7	361
158, 505	Leeper, John E., Godfrey, Ill. Construction of railway-cars.....	Jan. 5, 1875	137	46	7	23
159, 587	Lees, David, Birmingham, assignor to self and S. C. Stewart, Tyrone Forges, Pa. Attachment for injectors.....	Feb. 9, 1875	334	110	7	238
159, 190	Lees, George, Philadelphia, Pa. Device for opening and closing furnace-doors.....	Jan. 26, 1875	819	{ 269 270 }	7	159
8, 278	Lees, Henry C., Philadelphia, Pa. Badge..... (Design).....	Apr. 20, 1875			7	651
168, 906	Lees, Thomas K., Brooklyn, N. Y. Gas-washing machinery.....	Oct. 19, 1875	572	188	8	661
	Leeson, Henry. (See Kent & Leeson.)					
165, 842	Leetch, Elizabeth, Detroit, Mich. Bosom-form.....	July 20, 1875	705	214	8	129
	Lefel & Co., James. (See Trump, Fuller, assignor.)					
170, 958	Leferts, John R., New York, N. Y. Fire-escape.....	Dec. 14, 1875	287	96, 97	8	996
164, 569	Leferts, John W., assignor of one-half interest to John H. Baer, Baltimore, Md. Shoe-sole-edge trimmer.....	June 15, 1875	693	225	7	1043
165, 595	Same..... Shoe-sole machine.....	July 13, 1875	452	137	8	79
167, 546	Lefferts, John W., Baltimore, Md. Submerged filter.....	Sept. 7, 1875	147	45	8	427
160, 920	Legg, John B., Rome, Ga. Cotton-seed planter and fertilizer-distributor.....	Mar. 16, 1875	625	204	7	452
	Legge, J. H. (See Wood, Enoch, assignor.)					
	Leggott, Arthur, et al. (See Kimble, Smith W., assignor.)					
	Le Grande, William W. (See Osborne & Le Grande.)					
164, 381	Le Grande, William W., assignor of one-half interest to Thomas D. Osborne, Louisville, Ky. Machine for cutting siding.....	June 15, 1875	527	173	8	1021
	Lehman & Rigel, et al. (See Mellinger, Christian K., assignor.)					
166, 208	Lehman, Daniel A., assignor of one-half interest to Joseph A. Culp, Wakarusa, Ind. Button-hole cutter.....	Aug. 3, 1875	23	8	8	262
	Lehman, George H., et al. (See Shinn, John, assignor.)					
	Lehman, William H. (See Bolton, Mahlon, jr., assignor.) (Design).....					
158, 720	Lehmann, Charles, New York, N. Y. Manufacture of soap.....	Jan. 12, 1875	342		7	72
	Lehmann, Gondchaux. (See Lehmann, Isaac and Gondchaux.)					
171, 394	Lehmann, Isaac and Gondchaux, New York, N. Y. Manufacture of glass buttons.....	Dec. 21, 1875	724	238	8	1061
163, 669	Lehner, Isaac, Greenfield, Ind. Windmill.....	May 23, 1875	908	288	7	897
	Lehnbeuter, Joseph. (See Wiegel & Lehnbeuter.) (Design).....					
8, 287	Lehnbeuter, Joseph, assignor to C. Claes & Co., Saint Louis, Mo. Show case and stand.....	Apr. 27, 1875			7	761
8, 288	Same..... same..... (Case A. Design).....	Apr. 27, 1875			7	761
8, 289	Same..... same..... (Case B. Design).....	Apr. 27, 1875			7	761
8, 813	Lehnbeuter, Joseph, and Casper Claes, Saint Louis, Mo. Show-case..... (Case A. Design).....	Nov. 30, 1875			8	969
8, 814	Same..... same..... (Case B. Design).....	Nov. 30, 1875			8	969
8, 815	Same..... same..... (Case C. Design).....	Nov. 30, 1875			8	969
158, 594	Lehnert, Henry G., Philadelphia, Pa. Brass musical instrument.....	Jan. 12, 1875	232	78	7	56
158, 721	Lehr, Ferdinand, New York, N. Y. Oil-can.....	Jan. 12, 1875	343	116	7	72
164, 191	Leiby, Daniel, Riverside, Pa. Means for ventilating and discharging bilge-water from vessels.....	June 8, 1875	331	113	7	987
	Leich, August. (See Stilson, Lyman B., assignor.) (Reissue.)					
167, 179	Leidy, Charles H., Phoenixville, Pa. Metallic column.....	Aug. 31, 1875	997	310	8	372
165, 596	Leidy, Miletus S., Richmond, Va. Making sheet-metal spouts.....	July 13, 1875	453	{ 137 138 }	8	79
162, 834	Leigh, Alfred, Flemington, N. J. Ventilator for cooking-stoves.....	May 4, 1875	89	29	7	759
	Leigh, Henry. (See Larrison & Leigh.)					
	Leigh, William W., et al. (See Talbotlarke, Charles, assignor.)					
8, 387	Leighton, William, jr., Wheeling, W. Va. Glassware..... (Design).....	June 15, 1875			7	1013
159, 519	Same..... Hollow pressed glassware.....	Feb. 9, 1875	283	91	7	231
162, 294	Leiner, Moritz, New York, N. Y. Filter-rack.....	Apr. 20, 1875	651	212	7	675
166, 789	Same..... Brush.....	Aug. 17, 1875	589	181	8	300
167, 770	Leiss, Julius, Philadelphia, Pa. Carpet beater and cleaner.....	Sept. 14, 1875	363	115	8	464
159, 192	Leiter, Josef, Vienna, Austria. Hypodermic syringe.....	Jan. 26, 1875	821	270	7	159
161, 246	Same..... Galvanic battery.....	Mar. 23, 1875	933	304	7	591
160, 209	Leland, Edwin A., Pittsfield, Mass., assignor to Leonard Richardson, Brooklyn, N. Y. Pan for water-closets.....	Aug. 3, 1875	24	8	8	202
158, 848	Leland, James, Cambridgeport, Mass. Car-wheel.....	Jan. 19, 1875	478	160	7	106
163, 670	Leland, James E. F., Baltimore, Md. Lathe-rest.....	May 25, 1875	909	289	7	897
168, 500	Leland, Windsor, Chicago, Ill. Apparatus for canning meats; &c.....	Oct. 5, 1875	171	55	8	589
160, 830	LeLievre, Auguste A., Chateau, near Paris, France. Compress.....	Mar. 16, 1875	551		7	442
163, 700	Lehman, John, Cincinnati, Ohio. Pivot chair.....	May 25, 1875	1016	320	7	910
160, 921	Lehman, Martin R., Hamilton, Ohio. Machine for grinding lathe-centers.....	Mar. 16, 1875	626	204	7	452
168, 651	Lemon, Hans, and James C. Metcalfe, jr., Memphis, Tenn. Compound for artificial stone.....	Oct. 11, 1875	332		8	619
168, 755	Lemon, Hans, and James A. Cameron, Memphis, Tenn. Sectional cores to be used in the manufacture of tubing.....	Oct. 11, 1875	421	138	8	632
163, 386	Lemon, Hans, James A. Cameron, and Hartzell Haiber, Memphis, Tenn. Artificial stone.....	May 18, 1875	639		7	854
6, 312	Lemon, John, Cincinnati, Ohio. Machine for molding chair-backs..... (Reissue).....	Mar. 2, 1875	226	77	7	381
158, 849	Lemon, Uriah E., Franklin, Mich. Bag-holder.....	Jan. 19, 1875	479	160	7	106
161, 888	Le Moyné, Joel H., Boston, Mass. Spindle for spinning-machines.....	Apr. 13, 1875	275	92	7	619
161, 972	Same..... Loom-shuttle.....	Apr. 13, 1875	345	116	7	628
8, 577	Lender, Augustus E., Washington, D. C. Ornamental finger-ring, &c..... (Design).....	Aug. 24, 1875			8	322
	Lenz, John S. (See Lansdell & Lenz.)					
165, 597	Lenzurr, Newton H., White Pigeon, Mich. Combined stove and heat-radiator.....	July 13, 1875	455	138	8	80
	Lennox, William. (See Hawley & Lennox.)					
166, 790	Lenoir, Jean J. E., Paris, France. Process for producing amalgamated silvering for mirrors.....	Aug. 17, 1875	589		8	360
165, 677	Lenz, August, Osbkosh, Wis. Flour-mill.....	July 20, 1875	544	166	8	107
171, 382	Leonard, Benjamin S., Sharon, Mass. Harness-tug.....	Nov. 23, 1875	1045	328	8	895
160, 444	Leonard, Ezra, Akron, Ohio. Grass-cultivator teeth.....	Mar. 2, 1875	167	52	7	372

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169, 181	Leonard, Hiram L., Bangor, Me. Fishing-rod.	Oct. 26, 1875	811	274	8	707
	Leonard, Job M. (See Ryan, George H., assignor.)					
170, 572	Leonard, Moses H., and John H. Buckley, East Hampton, Mass. Elastic fabric.	Nov. 30, 1875	1237	390	8	930
	Leonard, William. (See Leonard, William E., assignor.)					
160, 021	Leonard, William E., assignor of one-half interest to William Leonard, Chelsea, Mass. Toy trundle.	Feb. 23, 1875	769	254	7	309
162, 565	Le Roy, Alphonzo, and William M. Huntington, Little Falls, N. Y. Ticket-clasp.	Apr. 27, 1875	925	297	7	717
161, 527	Lescale, John M., Paincourtville, La. Apparatus for bleaching cane-juice.	Mar. 30, 1875	1221	393	7	546
165, 422	Leser, William, Cincinnati, Ohio. Buckle.	July 13, 1875	291	86	7	55
163, 934	Leseur, William F., and Charles Michel, College Point, N. Y. Variable exhaust.	June 1, 1875	80	27	7	942
170, 573	Lesh, James, assignor of one-half interest to Robert Denison, Warren, Pa. Bed-clothes holder.	Nov. 30, 1875	1237	390	8	920
	Lesher, Charles M. (See Lesher, John and Charles M.)					
161, 692	Lesher, John and Charles M., Northumberland, Pa. Tire-tightener.	Apr. 6, 1875	89	51	7	582
170, 250	Leslie, Ellison, assignor to self and George W. Hunt, Brown's Cross-Roads, Ky. Mechanical movement.	Nov. 23, 1875	955	299	8	883
160, 530	Lessler, Joseph, Buffalo, N. Y. Measuring-tank.	Mar. 9, 1875	260	89	7	395
162, 395	Lesson, Philip, Newark, N. J. Spout for sheet-metal pots.	Apr. 20, 1875	751	244	7	686
	Lester, Franklin, et al. (See Smith, Horatio M., assignor.)					
	Lester, George. (See Jay, James M., assignor.)					
171, 395	Lester, James S., Atlanta, Ga. Fire-plate.	Dec. 21, 1875	725	238	8	1062
164, 343	Lester, John H., Niantic, assignor to self and Elias F. Morgan, New London, Conn. Lock for fire-arms.	Mar. 30, 1875	1043	340	7	523
170, 003	Lester, John H., New York, N. Y. Preserving milk against injury by transportation.	Nov. 16, 1875	678		8	838
170, 094	Same. Milk-can.	Nov. 16, 1875	765	242	8	850
	Lester, Moses W., et al. (See Smith, Horatio M., assignor.)					
170, 177	Letchworth, George J., Auburn, N. Y. Plane.	Nov. 23, 1875	866	270	8	170
	Letchworth, Josiah. (See Cooper, Edward A., assignor.)					
	Letchworth, Josiah, et al. (See Cooper, Edward A., assignor.)					
169, 362	Le Tollier, Adolphe, Brussels, Belgium. Water filter and purifier.	Nov. 2, 1875	41	12, 13	8	740
	Letz, Elizabeth M. (See Letz & Dnever, assignors.)					
163, 322	Letz, George F., and Adolphe T. Dnever; said Letz assignor to said Dnever, and said Dnever assignor of five-ninths interest to Elizabeth M. Letz, Chicago, Ill. Treadle.	May 18, 1875	580	186	7	846
161, 132	Levalley, Christopher W., Saint Paul, Minn. Harvester.	Mar. 23, 1875	828	251	7	488
169, 275	Same. Same.	Oct. 26, 1875	927	301	8	718
159, 829	Le Van, William B., Philadelphia, Pa. Hydraulic elevator.	Feb. 16, 1875	569	190	7	275
163, 846	Leveaux, Edward H., Hammersmith, England. Car-propeller.	Nov. 9, 1875	499	157	8	807
159, 940	Leverich, Gabriel, Brooklyn, assignor to John B. Sammis, New York, N. Y. Wheel for vehicles.	Feb. 16, 1875	673	223	7	289
166, 709	Levin, George W., assignor of one-half interest to John S. Swartley, Chicago, Ill. Automatic dental pluggor.	Aug. 17, 1875	517	158	8	289
166, 710	Same. Same.	Aug. 17, 1875	518	159	8	289
	Levis, O. D., et al. (See Schroeffel, John, jr., assignor.)					
	Levis, Orrin D., et al. (See Ebbert, Jerry, assignor.)					
164, 649	Levy, Harrison, Milesburgh, Pa. Machine for bonding horseshoes.	June 22, 1875	775	254	7	1063
161, 693	Levy, Isaac, Ellaville, Fla. Oil.	Apr. 6, 1875	89	31	7	582
159, 104	Lovy, Louis E., and David Baebach, jr., Baltimore, Md. Process of producing photographic plates for printing, &c.	Jan. 26, 1875	742	245	7	148
	Levy, Morris. (See White & Lewin.)					
	Lewin, George W. (See White & Lewin.)					
163, 219	Lewine, Isaac, New York, N. Y. Glove clasp or fastener.	May 11, 1875	463	150	7	815
170, 004	Lewine, Lyon, Brooklyn, N. Y. Reversible lock-buckle.	Nov. 16, 1875	678	213	8	838
163, 935	Lewinson, Gustave, Boston, Mass. Package-holder.	June 1, 1875	81	27	7	942
168, 263	Lewis, Albert C., Brooklyn, N. Y. Manufacture of iron.	Sept. 28, 1875	844		8	549
164, 847	Lewis, Alexander N., Brooklyn, N. Y. Envelope.	June 22, 1875	937	310	7	1067
8, 342	Lewis, Charles W. (See Davis, George W., assignor.)					
	Lewis, Charles W., assignor to Western Electric Manufacturing Company, Chicago, Ill. Telegraph-key. (Design.)	May 25, 1875			7	879
166, 116	Lewis, Christopher, Columbus, Ohio. Sewer-trap.	July 27, 1875	975	301	8	179
	Lewis, Cyrus. (See Ferris & Lewis.)					
169, 110	Lewis, David R., Manchester, Iowa. Door-spring.	Oct. 26, 1875	783	254	8	698
167, 454	Lewis, Edward, Dover, Del. Car-coupling.	Sept. 7, 1875	66	20	8	415
165, 241	Lewis, Henry J., Green Point, Brooklyn, assignor to E. and H. T. Anthony & Co., New York, N. Y. Stereoscope.	July 6, 1875	91	27	8	21
168, 403	Lewis, James, Prattsville, N. Y. Machine for rounding leather.	Oct. 5, 1875	75	26	8	515
170, 748	Lewis, James T. A., East Boston, Mass. Car-coupling.	Dec. 7, 1875	87	28	8	962
159, 588	Lewis, J. Manvill, North Springfield, Vt. Child's carriage.	Feb. 9, 1875	335	111	7	239
160, 445	Lewis, John M., New Castle, Ohio. Roofing-tile.	Mar. 2, 1875	168	58	7	312
170, 482	Lewis, John S., Elkport, Iowa. Heating-drum.	Nov. 30, 1875	1156	364	8	919
	Lewis, Joseph C. (See Baird & Lewis.)					
	Lewis, J. Vance. (See Rittenhouse & Lewis.)					
167, 262	Lewis, Mark M., assignor to self and Albert C. Aubrey, New York, N. Y. Hose-coupling.	Aug. 31, 1875	1065	332	8	382
164, 687	Lewis, Myer, San Francisco, Cal. Stamp-canceler.	June 23, 1875	809	264 } 265 }	7	1068
166, 210	Lewis, Newton B., Columbia, Pa. Bush for mill-spindles.	Aug. 3, 1875	25	8	8	292
6, 249	Lewis, Samuel, Williamsburgh, N. Y., assignor, by mesne assignments, of one-half interest to William H. Cammeyer. Apparatus for removing obstructions under water. (Reissue.)	Jan. 26, 1875	871	284	7	166
	Lewis, Samuel W. (See Stacy & Lewis.)					
169, 011	Lewis, Sylvester, Rochester, N. Y. Sash-holder.	Oct. 19, 1875	665	218	8	674
170, 005	Same. Salt apparatus.	Nov. 16, 1875	679	213	8	838
160, 604	Lewis, Theodore G., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Rubber-dam tension-weight.	Mar. 9, 1875	324	109	7	404
	Lewis, Thomas J. (See Storey & Lewis.)					
171, 292	Lewis, Willard, Walpole, Mass. Machine for making carpet-linings.	Dec. 21, 1875	632	207	8	1049
	Lewis, William. (See Card, William, assignor.)					
168, 652	Lewis, William H., Brooklyn, N. Y. Stereoscope.	Oct. 11, 1875	332	108	8	619
170, 749	Lewis, William H., assignor to E. and H. T. Anthony & Co., New York, N. Y. Stereoscope.	Dec. 7, 1875	88	28	8	962
	Lewis, William J. (See Marland & Lewis.)					
160, 531	Lewis, William J., Pittsburgh, Pa. End-gate rod for vehicles.	Mar. 9, 1875	261	89	7	395
161, 341	Same. Bolster-plate for vehicles.	Mar. 30, 1875	1044	340	7	524
167, 677	Lewis, William J., Denver, Colo. Sash-balance.	Sept. 14, 1875	275	89	8	452
169, 646	Lewis, William J., Pittsburgh, Pa. Roll for rolling blanks for poll-caps.	Nov. 9, 1875	326	103	8	785

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170, 481	Lewis, William J., Pittsburgh, Pa. Manufacture of clevis-pins.....	Nov. 30, 1875	1155	364	8	919
159, 426	Lewis, William W., Cincinnati, Ohio. Roll for rolling horseshoe-blank bars.....	Feb. 2, 1875	166	57	7	207
162, 336	Same..... Horseshoe-machine.....	Oct. 5, 1875	17	7	8	567
	Leyde, John F. (See Wilhelm & Leyde, assignors.)					
	Leyde, Salathiel F. (See Wilhelm & Leyde.)					
161, 801	Leydet, Alexandre, Marseilles, France. Boiler-covering.....	Apr. 6, 1875	180		7	595
169, 453	L'Hommedieu, Charles, Middletown, N. Y. Clothes-line reel.....	Nov. 2, 1875	118	38	8	751
8, 215	Libbey, William L., Boston, Mass. Vase..... (Design)	Mar. 23, 1875			7	466
	Libby, Arthur A. (See Marshall, William C., assignor)..... (Reissue.)					
	Libby, Cyrus. (See Swallow, Alexander, assignor.)					
162, 080	Libe, John C., Philadelphia, Pa. Combined poker and tongs.....	Apr. 13, 1875	435	145	7	640
162, 907	Libengood, William C., Bradenville, Pa. Force-pump.....	Oct. 19, 1875	573	189	8	662
8, 378	Libert, Joseph C. G., Paris, France, assignor to Roxbury Carpet Company, Boston, Mass. Carpet..... (Design)	June 8, 1875			7	968
161, 694	Libert, Pauline, Leavenworth, Kans. Refrigerating-table..... (Design)	Apr. 6, 1875	93	31	7	522
	Lichten, Aaron. (See Huber, Stiles, assignor)					
	Lichtenberger, John. (See Fisher & Lichtenberger)					
159, 335	Lichtenberger, John, Fort Wayne, Ind. Map-exhibitor.....	Feb. 2, 1875	90	31	7	196
	Lichtenstein Brothers & Co. (See Lichtenstein, Moses, assignor)					
166, 534	Lichtenstein, Moses, assignor to Lichtenstein Brothers & Co., New York, N. Y. Cigar-box.....	Aug. 10, 1875	341	104	8	255
164, 382	Liddell, Noyes, La Fayette, N. Y. Weather-strip.....	June 15, 1875	528	173	7	1021
160, 446	Liddell, William, Buffalo, assignor to self and Howland & Co., Sandy Hill, N. Y. Paper-bag machine.....	Mar. 2, 1875	169	58, 59	7	372
161, 133	Liddell, William, assignor to Martin Taylor, Buffalo, N. Y. Envelope-machine.....	Mar. 23, 1875	830	271	7	488
	Liddle, Robert Z. (See Perry, Dickey & Liddle.)					
	Lidgerwood Manufacturing Company. (See Beckman, John V., assignor.)					
168, 653	Lidgen, Christopher, assignor to self and K. Jackson, La Fayette, Ind. Harvester.....	Oct. 11, 1875	333	108	8	619
158, 955	Lieb, Charles, New York, N. Y. Pocket-book.....	Jan. 19, 1875	5-3	194	7	119
169, 111	Lieber, Peter, Indianapolis, Ind. Washing-machine.....	Oct. 26, 1875	784	254	8	698
164, 310	Liedke, Charles H., Venice, Ohio. Band for hubs.....	June 8, 1875	447	147	7	1002
159, 105	Light, Edward B., Denver, Colo. Whip-tip ferrule.....	Jan. 26, 1875	744	245	7	148
6, 661	Lighthall, William A. (See Loomis, Kellogg H., assignor.)					
162, 668	Lighthall, William A., Brooklyn, N. Y. Packing for steam-condenser tubes. (Reissue.)	Sept. 28, 1875	892	285	8	555
166, 282	Same..... Apparatus for cooling and aerating water.....	Apr. 27, 1875	1017	325, 326	7	728
8, 607	Ligibel, Adolphus, assignor to Winter & Ball, Jersey City, N. J. Casting umbrella-tips, &c.....	Aug. 3, 1875	91	28	8	212
7, 983	Lilley, Alfred, assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet. (Design)	Sept. 7, 1875			8	403
7, 984	Lilley, Charles S., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet..... (Design)	Jan. 5, 1875			7	5
8, 248	Same..... same..... (Design)	Jan. 5, 1875			7	5
167, 548	Same..... same..... (Design)	Mar. 30, 1875			7	516
	Lilley, Hugh H. V., assignor to self and Thomas Lilley, Milford, Mass. Funnel for filling lamps.....	Sept. 7, 1875	149	46	8	427
	Lilley, Thomas. (See Lilley, Hugh H. V.)					
170, 444	Lilliendahl, Gustavus D. (See Wolfe & Lilliendahl.)					
165, 007	Lilliendahl, William A., New York, N. Y. Illuminating advertising device.....	Nov. 30, 1875	1119	352	8	914
158, 850	Lillis, Daniel E., Lockport, N. Y. Foot-treadle.....	June 29, 1875	1119	361	7	1115
6, 231	Lincoln, George A., East Somerville, Mass. Sash opening and closing mechanism.....	Jan. 19, 1875	419	161	7	106
8, 823	Lincoln, James D., et al. (See Pope, Frank L., assignor)..... (Reissue.)	Dec. 12, 1875	402	135	7	80
170, 231	Lindemann, Otto, Edgewater, N. Y. Metallic mat for bird-cages..... (Reissue.)	Jan. 7, 1875			8	945
169, 112	Lindenthal, Carl, New York, N. Y. Trimming..... (Design)	Dec. 7, 1875				
159, 273	Linderman, Robert B., et al. (See Moore, Theodore F., assignor.)					
169, 112	Lindlau, John E., New York, N. Y. Fire-escape.....	Nov. 23, 1875	955	299	8	883
159, 273	Lindley, Alfred W., Des Moines, Iowa. Reversible water-wheel.....	Oct. 26, 1875	784	254	8	698
159, 589	Lindley, Samuel, Green Bay, Wis. Ice-pick.....	Feb. 2, 1875	28	10	7	188
	Lindley, William. (See White, William E., assignor.)					
	Lindner, Charles, Hockley, Tex. Saw-mill.....	Feb. 9, 1875	335	111	7	239
166, 707	Lindon, John R. R. (See Espach, Scraphin, assignor.)					
166, 283	Lindsay, Charles R. (See Proctor & Lindsay.)					
170, 282	Lindsay, James R., Newark, N. J. Metal-punching machine.....	Aug. 17, 1875	514	158	8	289
	Lindsay, Joseph H., Freehold, Pa. Vehicle-hub.....	Aug. 3, 1875	92	28	8	212
	Lindsey, Charles D., Cincinnati, Ohio. Temporary binder.....	Nov. 23, 1875	957	300	8	883
	Lindsey, James. (See Brettle & Lindsey.)					
	Lindsey, Lewis. (See Wiedemann & Lindsey.)					
	Lindsley, Isaac, et al. (See Card, Edward, assignor.)					
167, 106	Line, Cornelia O., Indianapolis, Ind. Culinary vessel.....	Aug. 24, 1875	905	292	8	352
163, 500	Lines, John, assignor to Smith & Griggs Manufacturing Company, Waterbury, Conn. Buckle.....	May 18, 1875	744	237	7	867
170, 863	Ling, Joseph, et al. (See Chime, John C., assignor.)					
8, 239	Lingane, Bart, Decatur, Ill. Automatic fan.....	Dec. 7, 1875	184	62	8	975
8, 239	Lingemann, Anton, Fort Huron, Mich. Monument..... (Case A. Design)	Mar. 30, 1875			7	516
8, 388	Same..... same..... (Case B. Design)	Mar. 30, 1875			7	516
168, 571	Lingg, Joseph W., Philadelphia, Pa. Medal..... (Design)	June 15, 1875			7	1013
164, 924	Linne, Henry I., Gilson, Ill. Feather-remover.....	Oct. 11, 1875	256	84	8	608
167, 345	Linscott, John M., Buxton, assignor of one-half interest to Frank H. Jordan, Portland, Me. Loom.....	June 29, 1875	1049	338	7	1106
171, 574	Linsley, Charles F., West Meriden, Conn., assignor to Bradley & Hubbard Manufacturing Company. Lamp-fount.....	Aug. 31, 1875	1136	357	8	392
169, 454	Linsley, Newton, John McCulloch, and William Clement, Lena, Ill. Leather-rolling machine.....	Dec. 28, 1875	905	296	8	1095
	Lintner, William T., Marvin E. Weller, and Dayton S. Kellogg, Fort Plain, N. Y. Flour-sifter.....	Nov. 2, 1875	119	38	8	751
	Linton, Elizabeth, administratrix. (See Linton, William)..... (Extension.)					
	Same..... same..... (Reissue.)					
171, 575	Linton, Samuel E., Charlotte, N. C. Railway-switch..... (Extension)	Dec. 28, 1875	906	296	8	1095
6, 425	Linton, William, deceased, by Elizabeth Linton, administratrix, Baltimore, Md. Machine for molding pottery..... (Reissue.)	Feb. 11, 1875			7	386
167, 844	Same..... same..... (Reissue.)	May 11, 1875	542	173	7	825
166, 768	Lion, Thomas W., Brentsville, Va. Process and apparatus for the manufacture of illuminating-gas.....	Sept. 21, 1875	441	141	8	484
	Lipe, Charles E., Syracuse, N. Y. Horse hay-rake.....	Aug. 17, 1875	515	158	8	289
	Lipe, William M., et al. (See Ryan, William M., assignor.)					

## Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. & C.	Vol.	Page.
160, 689	Lippy, Christopher. (See Strunz, Stephen, assignor.) Lippy, David, assignor to John S. Blymyer, Mansfield, Ohio. Grain thrasher and separator.	May 9, 1875	398	134	7	415
169, 557	Lipsy, Andrew B., Jersey City, N. J., assignor of one-half interest to H. A. Sherrill, New York, N. Y. Wrench.	Nov. 2, 1875	217	71	8	764
162, 179	List, Adolph, Boonville, Ind. Rocking-chair.	Apr. 20, 1875	548	179	7	661
161, 528	List, Thomas J. (See Swift & List.)					
161, 529	Litchfield, Charles T., and Reinhold Bocklen, Brooklyn, N. Y. Wood-screw.	Mar. 30, 1875	1222	393	7	547
162, 931	Same. Machine for cutting screw-threads.	Mar. 30, 1875	1223	393	7	547
8, 591	Little, A. J., et al. (See Minor, John Q., assignor.)	May 4, 1875	179	59	7	770
164, 192	Littell, John S., Newark, N. J. Badge. (Design.)	Aug. 31, 1875			8	364
8, 379	Little, Alton L., Sheboygan Falls, Wis. Mowing-machine.	June 8, 1875	332	113	7	987
8, 485	Little, Andrew, New York, N. Y. Font of printing-types. (Design.)	June 8, 1875			7	1568
	Same. Printing-type. (Design.)	June 13, 1875			8	49
163, 876	Little, Charles L. (See Merriam & Little.)					
165, 843	Little, George H. (See Bart & Little.) Little, George H., Peabody, Mass. Injector or ejector for steam-engines.	June 1, 1875	35	11	7	935
170, 574	Same. Injector.	July 20, 1875	705	215	8	129
171, 293	Little, Henry W., Limestone Farm, Va. Apple corer and slicer.	Nov. 30, 1875	1238	390	8	931
159, 691	Little, Jacob W., Oskaloosa, Iowa. Vehicle running-gear.	Dec. 21, 1875	632	207	8	1049
169, 276	Little, James A., Cartersburgh, Ind. Wire fence.	Feb. 9, 1875	425	142	7	251
166, 391	Little, John L., Muncie, Ind. Feather duster.	Oct. 26, 1875	939	3-1	8	718
167, 845	Little, Oliver H. P., and Francis J. Heuber, Indianapolis, Ind. Furnace-grate.	Aug. 3, 1875	193	58	8	626
164, 311	Little, Orton C., Sheboygan Falls, Wis. Combination shell-joint.	Sept. 21, 1875	442	141	8	484
164, 193	Little, Robert A. (See Northrup, Frank, assignor.) (Design.)	June 8, 1875	448	148	7	1002
164, 193	Littlefield, Charles. (See Smith, Robert, assignor.)					
171, 294	Littlefield, Charles, Carver's Harbor Post-Office, Me. Bush-hammer.	June 8, 1875	332	113	7	987
163, 936	Littlefield, Nahum, Portland, Me. Milk-can receptacle.	Dec. 21, 1875	633	207	8	1049
165, 008	Littlefield, Silas P., Lynn, Mass. Station-indicator.	June 1, 1875	81	28	7	942
169, 713	Same. Car-brake.	June 29, 1875	1120	361	7	1115
168, 908	Livermore, Horatio G., San Francisco, Cal. Ore-roasting furnace.	Nov. 9, 1875	394	124	8	794
159, 033	Livesay, Thomas C., and Henry H. Black, Montana City, Kans. Metal-shears.	Oct. 19, 1875	574	189	8	662
163, 791	Livingston, Augustus A., Wilmington, Ill. Stay-irons for wagon-bodies.	Jan. 26, 1875	682	221	7	139
	Livingstone, William, Valley Stream, assignor to self and H. A. Rogers, New York, N. Y. Lifting-jack.	May 25, 1875	1011	320	7	910
166, 617	Lizier, Joseph Z., et al. (See Shelenberger, Amos, assignor.) Lloyd, Edwin L., et al. (See Busch, Henry E., assignor.)					
171, 295	Lloyd, Francis H., Wednesbury, England. Tuyere.	Aug. 10, 1875	412	127	8	266
159, 336	Lloyd, Samuel T., et al. (See Busch, Henry E., assignor.)					
160, 447	Lloyd, William H., Spring Valley, Minn. Manufacture of sleigh-knees.	Dec. 21, 1875	634	207	8	1049
164, 570	Loar, Benjamin B., Granville, Ohio. Gage for fitting watch-crystals.	Feb. 2, 1875	90	31	7	196
162, 669	Lobdell, George G., et al. (See Getz, Joseph C., assignor.)					
166, 211	Lobdell, George G., Wilmington, Del. Oscillating engine.	Mar. 2, 1875	173	59	7	373
165, 433	Same. Car-wheel.	June 15, 1875	693	225	7	1043
162, 081	Lobdell, Jacob B., and Monroe F. Bartlett, Battle Creek, Mich. Grain-separator.	Apr. 27, 1875	1019	326	7	728
169, 475	Lohrer, Isaac, Antioch, Cal. Fanec.	Aug. 3, 1875	25	9	8	202
166, 211	Lochhead, David, Hochelaga, Canada. Mowing-machine.	July 13, 1875	324	95	8	60
165, 678	Lockard, Hiram, assignor of one-half interest to Thomas Agens, Newark, N. J. Bridle-bit.	Apr. 13, 1875	436	145	7	640
169, 455	Lockard, Hiram, and Thomas Agens, Newark, N. J.; said Lockard assignor of one-half interest to said Agens. Bridle-bit.	July 20, 1875	745	166	8	107
164, 650	Lockard, John A. (See Hughes & Lockard.)					
160, 022	Locke, Alpheus C. (See Locke, Nathaniel C., assignor.)					
170, 178	Locke, Jesse A., New York, N. Y. Furnace for steam-boilers.	Nov. 2, 1875	120	38	8	751
169, 817	Locke, Joseph R., Amesbury, Mass. Molding-machine.	June 22, 1875	776	254	7	1063
169, 817	Locke, Josiah H., San Francisco, Cal. Grain-separator.	Feb. 23, 1875	769	254	7	369
169, 817	Locke, Luther F., Nashua, N. H. Dental polishing-tool.	Nov. 23, 1875	867	271	8	171
160, 107	Locke, Nathaniel C. (See Campbell, Augustine, assignor.) (Reissue.)					
160, 780	Locke, Nathaniel C., assignor to self and Alpheus C. Locke, Salem, Mass. Globe-valve.	Nov. 9, 1875	502	158	8	907
167, 912	Locke, Sylvanus D., Hoosick Falls, N. Y. Chain-link and chain.	Feb. 23, 1875	840	277	7	320
167, 846	Lockhart, Alexander M., Pittsburgh, Pa. Combined bill holder and separator.	Mar. 16, 1875	507	165	7	436
171, 027	Lockhart, Alexander W., Sacramento, Cal. Feeder for thrashing-machines.	Sept. 21, 1875	500	159	8	493
165, 741	Lockwood, Edward M., West Meriden, Conn., assignor to Edward M. Lockwood and Charles Page. Door-bell.	Sept. 21, 1875	443	141	8	484
160, 690	Lockwood, Edward M., Meriden, Conn., assignor to self and Charles Page. Swing-joint for knobs and handles.	Dec. 14, 1875	350	117	8	1004
159, 427	Lockwood, Frank M. (See Tyler, Thomas W., assignor.) Lockwood, George E. (See Lockwood, James F. and George E.)					
161, 418	Lockwood, Henry S., South Norwalk, Conn. Padlock.	July 20, 1875	569	184	8	116
170, 864	Lockwood, James F. and George E., Philadelphia, Pa. Carbureter.	Mar. 9, 1875	399	134	7	415
169, 817	Lockwood, James H., Chillicothe, Mo. Portable steam-oven.	Feb. 2, 1875	167	57	7	207
169, 817	Lockwood, John S., et al. (See Prentice, John, assignor.) (Reissue.)					
169, 817	Lockwood, Lorenzo D., Charlestown, N. H. Window-screen.	Mar. 30, 1875	1117	361	7	533
167, 455	Lockwood, Philip E., London, England. Extract of beer or other fermented beverages.	Nov. 9, 1875	503		8	807
170, 864	Lockwood, Rhodes, Boston, Mass. India-rubber craser.	Sept. 7, 1875	67	20	8	416
163, 596	Lockwood, Robert M., assignor to self and Elisha W. Andrews, New York, N. Y. Galvanic battery.	Dec. 7, 1875	185	63	8	975
	Lockwood, Samuel T., and John M. Ware, Chicago, Ill. Buckle or fastener.	May 25, 1875	848	268	7	888
	Lockwood, Silas. (See Hand, Joseph B., assignor.)					
	Lockwood, William. (See Foster & Lockwood.)					
	Lockwood, William E. (See Schuyler, John F.) (Reissue.)					
	Lockwood, William H. (See Flynn, Frederick W., assignor.)					
164, 848	Loecher, Andrew J., et al. (See Harrington, Thomas, assignor.) Loeser, Henrietta, et al. (See Loeser, Lazarus, assignor.)					
166, 880	Loeser, Lazarus, assignor to Charles Shackno and Henrietta Loeser, New York, N. Y. Shawl-strap handle.	June 22, 1875	957	310	7	1087
159, 830	Loeser, Lazarus, Brooklyn, N. Y. Buckle. Loewenstein, Leopold. (See Mayer, Loewenstein & Mayer.)	Aug. 17, 1875	677	209	8	312
	Lo Forte, Remigio, New York, N. Y. Winter rail for high stoops.	Feb. 16, 1875	570	100	7	275

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 212	Loftus, James H., Oakland, Cal. Blade for screw-propellers.....	Feb. 23, 1875	931	305	7	332
170, 575	Logan, John B., Baltimore, Md. Lock for sewing-machine covers, &c.....	Nov. 30, 1875	1239	391	8	931
159, 193	Logan, Thomas H., United States Army. Croquet-mallet.....	Jan. 26, 1875	822	270	7	159
167, 678	Logau, Thomas H., and James B. Thompson, Lowell, Mass. Loom-shuttle spindle.....	Sept. 14, 1875	276	87	8	452
161, 431	Lohmeyer, Henry, Shreveport, La. Watch-key.....	Mar. 30, 1875	1119	362	7	533
168, 033	Lohr, Jacob T., Manistee, Mich. Vegetable-cutter.....	Sept. 21, 1875	605	194	8	503
167, 913	Loiseau, Emile F., Philadelphia, Pa. Machine for mixing and molding artificial fuel.....	Sept. 21, 1875	600	159	8	493
167, 914	Same..... Composition for artificial fuel.....	Sept. 21, 1875	501	.....	8	493
8, 002	Lomas, John R., assignor to B. Shoninger, New Haven, Conn. Reed-organ case. (Design).....	Jan. 12, 1875	.....	.....	7	48
8, 855	Same..... Organ-case..... (Design).....	Dec. 21, 1875	.....	.....	8	1034
159, 590	Lomas, John R., assignor to Bernard Shoninger, New Haven, Conn. Organ-reed board.....	Feb. 9, 1875	336	111	7	239
160, 213	Lomas, John R., assignor to B. Shoninger, New Haven, Conn. Organ-case.....	Feb. 23, 1875	931	305	7	332
160, 448	Same..... Reed-organ attachment.....	Mar. 2, 1875	174	60	7	373
160, 605	Lomas, John R., assignor to Bernard Shoninger, New Haven, Conn. Reed-organ tremolo.....	Mar. 9, 1875	325	110	7	404
161, 134	Same..... Reed-organ.....	Mar. 23, 1875	832	272	7	488
169, 363	Lomax, George H., Somerville, Mass. Combined salt and pepper box.....	Nov. 2, 1875	44	13	8	740
170, 383	Lombard, Daniel, assignor to self and Liverus Hull, Boston, Mass. Coffee-huller.....	Nov. 23, 1875	1045	328	8	496
167, 180	Lombard, Oliver D., assignor of one-half interest to Earl A. Thissell, Lowell, Mass. Warp-beam.....	Aug. 31, 1875	997	310	8	372
	Lomont, François T., et al. (See Brown, James O., assignor.)					
	Londou, William E. (See Doane & London)..... (Reissue.)					
164, 571	Long, Aaron, assignor of one-half interest to George W. Bailey, Ann Arbor, Mich. Sash-fastener.....	June 15, 1875	694	225	7	1043
161, 247	Long, Charles B., Worcester, Mass., assignor of three-fourths interest to C. D. Periam and J. D. Faintone, Newark, N. J., and George W. Swick. Machine for crimping leather for boots and shoes.....	Mar. 23, 1875	935	{ 304 305 }	{ 7 7 }	{ 502 502 }
158, 643	Long, David W., assignor to W. N. Chancellor, Parkersburgh, W. Va. Hinge.....	Jan. 12, 1875	273	92	7	62
170, 750	Long, David W., Parkersburgh, W. Va. Hinge.....	Dec. 7, 1875	88	28	8	962
163, 387	Long, George S., assignor of two-thirds interest to Burton, 2d, and Norman Allen and Henry W. Porter, Forestville, Conn. Machine for cutting corks.....	May 18, 1875	640	205	7	854
	Long, John C. (See Haswell & Long.)					
166, 701	Long, John S., Elkville, Ill. Shot-charger for shot-pouches.....	Aug. 17, 1875	530	182	8	300
168, 509	Long, Nathan H., Muncie, assignor to self and John C. Long, Eaton, Ind. Automatic gate.....	Oct. 5, 1875	172	55	8	589
169, 647	Long, Richard, Pittsburg, Pa. Nut-lock.....	Nov. 9, 1875	327	103	8	785
170, 384	Same..... Railway-rail joint.....	Nov. 23, 1875	1047	329	8	896
162, 482	Long, Samuel L., Keithsburg, Ill., assignor of one-half interest to W. D. Smith. Automatic fly-brush.....	Apr. 27, 1875	856	275	7	708
	Long, Sydney C. (See Shoemaker, William S., assignor.)					
161, 135	Longland, James C., Rome, N. Y. Water-bridge boshe for puddling-furnaces.....	Mar. 23, 1875	833	272	7	468
164, 925	Longley, Elias, Cincinnati, Ohio. Addressing-machine.....	June 29, 1875	1050	338	7	1106
170, 751	Longmaid, John, Bingham, Utah. Ore-concentrator.....	Dec. 7, 1875	89	29	8	962
165, 742	Look, Joseph, assignor to Brigham, Litchfield & Vining, South Abington, Mass. Joiner's plane.....	July 20, 1875	599	184	8	116
167, 107	Loomis, Borden J., Ashabula, Ohio. Key-fastener.....	Aug. 24, 1875	906	293	8	352
164, 097	Loomis, John S., Brooklyn, N. Y. Machine for finishing wood moldings.....	June 8, 1875	251	86	7	976
171, 296	Same..... Adjusting pressure-feet of molding-machines.....	Dec. 21, 1875	634	208	8	1050
171, 143	Loomis, Kellogg H., Philadelphia, Pa., assignor to William A. Lighthall, Brooklyn, N. Y. Punch for making nut-lock washers.....	Dec. 14, 1875	471	154	8	1020
165, 508	Loomis, Samuel P., Chattanooga, Tenn. Washing-machine.....	July 13, 1875	455	138	8	80
160, 781	Loomis, Thomas T., Chicago, Ill. Steam pile-driver.....	Mar. 16, 1875	509	165	7	436
165, 170	Same..... same.....	July 6, 1875	27	8	8	12
	Loosley, Robert O., et al. (See Taylor & McCamish, assignors.)					
168, 909	Lord, Charles, and Bernard J. McCabe, Shelbyville, Ind. Gas-apparatus.....	Oct. 19, 1875	574	189	8	662
164, 312	Lord, Eli H., and Barabas D. Evans, Petersburg, Va. Portable furnace.....	June 8, 1875	448	148	7	1002
	Lord, Francis E. (See Lord, Jason P., Francis E., and Orrin E.)					
	Lord, H. (See Ellis, George T., assignor.)					
161, 136	Lord, Jason P., Francis E., and Orrin E., Readsborough, Vt. Mowing-machine.....	Mar. 23, 1875	834	272	7	468
	Lord, Orrin E. (See Lord, Jason P., Francis E., and Orrin E.)					
165, 939	Lord, Orrin E., assignor to Titos Stowe, Readsborough, Vt. Folding cot.....	July 27, 1875	809	248	8	156
169, 911	Loretz, Arthur J. L., Brooklyn, N. Y. Combined steam and cut-off valve.....	Nov. 16, 1875	600	187	8	825
162, 082	Lorey, William, Philadelphia, Pa. Mowing-machine.....	Apr. 13, 1875	437	145	7	640
166, 117	Loring, Harrison, Boston, Mass. Rotary bleaching-boiler.....	July 27, 1875	976	301	8	179
161, 420	Leslie, Thomas M., Elmira, N. Y. Metallic roof.....	Mar. 30, 1875	1118	361	7	533
	Lothrop, Thomas C. (See Dunbar & Lothrop)					
160, 831	Lotz, Lorenz, Brooklyn, N. Y. Elevated railway.....	Mar. 16, 1875	552	179	7	442
165, 342	Louch, John H., Rome, Ind. Potato-digger.....	July 6, 1875	181	55	8	34
	Loud & Son, Reuben. (See Loud, Richard, assignor.)					
166, 469	Loud, Richard, assignor to Reuben Loud & Son, South Weymouth, Mass. Refrigerator.....	Aug. 10, 1875	290	86	8	247
161, 530	Loudenslager, Solomon S., assignor of one-half interest to William T. Smith, Polo, Ill. Harvester.....	Mar. 30, 1875	1224	394	7	547
165, 844	Loughran, Michael, Allegheny, Pa. Washing-machine.....	July 20, 1875	707	215	8	129
165, 343	Loughbridge, William, Baltimore, Md. Soda-water apparatus.....	July 6, 1875	183	55	8	34
171, 576	Louis, Daniel, Philadelphia, Pa. Washing-machine.....	Dec. 23, 1875	907	267	8	1096
161, 802	Louis, William W., Frezerant, Tenn. Cotton-press.....	Apr. 6, 1875	180	61, 62	7	595
	Louisiana Cotton-Tie Company. (See Gilman, Samuel H., assignor.)					
161, 046	Lounsberry, Norman O., Wilmington, Del. Leather-dressing machinery.....	Mar. 23, 1875	744	245	7	477
6, 369	Lovalt, John, deceased, by Mary A. Lovalt and Thomas G. Swartout, executors, Tarrytown, N. Y. Skate..... (Reissue.)	Apr. 6, 1875	237	79	7	602
	Lovalt, Mary A., executrix. (See Lovalt, John)..... (Reissue.)					
159, 941	Love, John C., Philadelphia, Pa. Drop-light.....	Feb. 16, 1875	674	223	7	289
159, 942	Same..... Lamp-holder.....	Feb. 16, 1875	675	224	7	290
166, 392	Love, Obadiah, Saxenburgh, Pa. Post-hole borer.....	Aug. 3, 1875	195	58	8	226
168, 756	Love, Thomas C., Waldo, Mo. Combined hame and collar.....	Oct. 11, 1875	422	138	8	632
162, 483	Lovejoy, Addison, South Paris, Me. Sluicing-bracket.....	Apr. 27, 1875	856	275	7	708
167, 915	Lovejoy, Ira A., Denver, Colo. Stove-leg.....	Sept. 21, 1875	502	159	8	493
	Lovejoy, Joseph A. (See Morse, Edward, assignor.)					
	Lovlace, William R. (See Gourley & Lovlace.)					
	Loveland, Mary. (See Noble, John C., assignor.)					
	Lovell, Henry H. (See Lovell, Homer T., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 057	Lovell, Homer T., Ionia, assignor of one-half interest to Henry H. Lovell, Greenville, Mich. Car-coupling	Feb. 23, 1875	801	263	7	314
166, 284	Lovell, Melvin N., Erie, Pa. Index	Aug. 3, 1875	93	28	8	212
167, 615	Same. Clothes-drier	Sept. 14, 1875	222	69	8	441
170, 959	Same. Gage for cutting index-tabs	Dec. 14, 1875	288	97	8	996
170, 960	Same. Step-ladder	Dec. 14, 1875	288	97	8	997
169, 558	Loveguth, John, assignor to self and F. E. Hoffman, Saint Louis, Mo. Combined letter-box and door-bell	Nov. 2, 1875	217	72	8	764
167, 346	Loveridge, Edwin D., Buffalo, N. Y. Still	Aug. 31, 1875	1137	358	8	392
8, 662	Lovett, Thomas R., Philadelphia, Pa. Cane or other handles. (Design)	Sept. 21, 1875			8	475
167, 456	Low, William, Webster, Mich. Earth-auger	Sept. 7, 1875	68	21	8	416
167, 347	Lowe, Austin, Salina, Kans., assignor of two-thirds interest to D. C. and Thomas E. Skinner. Wind-power	Aug. 31, 1875	1138	358	8	392
161, 248	Lowe, Francis A. (See Wengler, Robert M., assignor.)					
167, 817	Lowe, James A., New York, N. Y. Machiu for cutting out web-gate of cast-lead traps	Mar. 23, 1875	938	305	7	562
	Lowe, Thaddeus S. C., Norristown, Pa. Process and apparatus for the manufacture of illuminating or heating gas	Sept. 21, 1875	444	141	8	484
171, 522	Lowe, Thomas R., Centreville, Cal. Process for leveling land	Dec. 23, 1875	859	281	8	1088
	Lowell Machine Shop. (See Richardson, George, assignor) (Reissue)					
	Same. (See Scott, John, assignor)					
	Lowell Manufacturing Company. (See Barelay, Thomas, assignor) (Design)					
	Same. (See Campbell, Robert R., assignor) (Design)					
	Same. (See Christie, Joseph M., assignor) (Design)					
	Same. (See Guiraud, Etienne, assignor) (Design)					
	Same. (See Lilley, Alfred, assignor) (Design)					
	Same. (See Lilley, Charles S., assignor) (Design)					
	Same. (See McNair, David, assignor) (Design)					
	Same. (See Swapp, Charles W., assignor) (Design)					
170, 283	Lowery, John, assignor to Excelsior Flint Glass Company, Pittsburgh, Pa. Tool for finishing lamp-chimneys	Nov. 23, 1875	957	300	8	883
167, 549	Lowan, Daniel S., and Henry T. Creps, Leitersburgh, Md. Fruit-drier	Sept. 7, 1875	149	46	8	427
8, 161	Lowy, George W., East Cambridge, Mass. Glass dish. (Case A. Design)	Feb. 23, 1875			7	302
8, 165	Same. same. (Case B. Design)	Feb. 23, 1875			7	302
159, 194	Lowthorp, Francis C., Chambersburgh, N. J. Metallic post or girder for truss-bridges	Jan. 26, 1875	823	271	7	159
160, 532	Loy, Daniel O., Farmer City, Ill. Machine for sanding brick-molds	Mar. 9, 1875	262	89	7	395
169, 819	Lozier, Alfred E., New York, N. Y. Elevated railway	Nov. 9, 1875	504	158	8	807
168, 510	Lozo, Martin, Claremont, N. H. Egg-beater	Oct. 5, 1875	172	56	8	569
168, 264	Lubin, Leon T., Boston, Mass. Truss	Sept. 28, 1875	844	269	8	549
159, 195	Lucas, Christian E., Atlanta, Ga., assignor of one-half interest to John F. Divine, Wilmington, N. C. Sleeping-car berth	Jan. 26, 1875	823	271	7	159
159, 428	Same. Sleeping-car	Feb. 2, 1875	168	57, 58	7	267
161, 249	Lucas, Christian E., Atlanta, Ga. Sleeping-car	Mar. 23, 1875	937	306	7	502
166, 792	Lucas, Christian E., Atlanta, Ga., assignor of one-half interest to John F. Divine, Wilmington, N. C. Sleeping-car	Aug. 17, 1875	591	182	8	360
168, 098	Lucas, Christian E., Atlanta, Ga., assignor of one-half interest to John F. Divine, Wilmington, Del. Sleeping-car	Sept. 28, 1875	694	219	8	527
160, 922	Lucas, George H., Pekin, Ill. Windmill	Mar. 16, 1875	627	204	7	452
	Lucas, Simon H. (See Shaw & Lucas)					
158, 535	Luce, William C., Fort Byron, Ill. Traction-engine	Jan. 19, 1875	233	78	7	56
162, 932	Luckenbach, Frederic A., New York, N. Y. Annealing furnace-slag castings	May 4, 1875	180	59	7	771
159, 692	Luckhardt, Caesar A., San Francisco, Cal. Quicksilver-furnace	Feb. 9, 1875	425	142	7	351
153, 337	Lucky, Mahlon M., assignor of one-third interest to Hezekiah Hutchings, Indianapolis, Ind. Builder's trestle	Feb. 9, 1875	90	31	7	196
169, 012	Ludden, William A., Brooklyn, N. Y. Pen and pencil case	Oct. 19, 1875	666	219	8	674
	Ludington, Cola. (See Wall & Ludington)					
	Ludlow, Alfred. (See Hookham, George, assignor)					
	Ludlow, Edwin, et al. (See Huggins, John, assignor)					
160, 923	Ludlow, James B., Muncie, Ind. Corn-drill	Mar. 16, 1875	628	205	7	452
165, 845	Ludlow, Richard C., Saint Louis, Mo. Railway-rail chair	July 20, 1875	707	215	8	129
170, 866	Ludlow, Samuel W., Cincinnati, Ohio. Carriage-wheel	Dec. 7, 1875	186	61	8	975
160, 340	Ludlow, Washington I., Washington, D. C. Mortising-machine	Mar. 2, 1875	75	26	7	359
165, 009	Ludlow, Washington I., Rochester, N. Y. Pencil-case	June 29, 1875	1121	362	7	1115
166, 996	Ludwig, Charles H., New York, N. Y. Champagne-freecer	Aug. 21, 1875	802	249	8	338
	Ludwig, Johann H. A. (See Buckner, Charles, jr., assignor)					
170, 355	Ludwig, John C., San Francisco, assignor of part interest to William H. Hall, Martin Corcoran, B. D. Murphy, James V. Tisdal, Charles Washeim, David B. Moody, San José, Cal. Fac-simile telegraph	Nov. 23, 1875	1048	329	8	896
161, 047	Lufkin, Charles M., Langdon, N. H. Machine for digging stones, stumps, roots, &c.	Mar. 23, 1875	744	245	7	477
166, 118	Lufkin, Charles M., and Charles G. Allen, Barry, Mass. Horse hay-rake	July 27, 1875	977	301	8	179
170, 284	Lufkin, John W. and Richard H., Chelsea, Mass. Sewing-machine	Nov. 23, 1875	958	301	8	883
	Lufkin, Richard H. (See Lufkin, John W. and Richard H.)					
169, 559	Lugenbuhl, Peter, Greensburgh, Ind. Hand-truck	Nov. 2, 1875	219	72	8	761
170, 867	Same. Sash-holder	Dec. 7, 1875	187	64	8	975
165, 344	Lugo, Orazio, Jersey City, N. J. Process of manufacturing animal charcoal	July 6, 1875	184		8	34
165, 345	Lugo, Orazio, assignor to John R. McPherson, Jersey City, N. J. Fertilizer	July 6, 1875	185		8	31
	Luke, Charles. (See Thompson & Luke)					
	Luke, Orrin, et al. (See Jerrold, John E., assignor)					
163, 220	Lukens, Joseph H., Burlington, N. J. Railway-switch stand	May 11, 1875	464	150	7	815
6, 735	Lumbert, Joseph, Wilbraham, Mass. Door-hanger. (Reissue)	Nov. 9, 1875	573	178	8	816
161, 619	Same. same	Apr. 6, 1875	26	11	7	572
	Lumley, Richard F. (See Stevens & Lumley)					
163, 019	Lund, Loren M. G., Racine, Wis. Blind-slat adjuster	May 11, 1875	250	90	7	792
8, 040	Lunday, Isaac G., and Calton G. Anglin, Hickory Flat, Ala. Grave covering. (Design)	Feb. 2, 1875			7	181
	Lundqvist, Alexius T. (See De Barry & Lundqvist)					
	Lundqvist, Thorvald J. (See De Barry & Lundqvist)					
161, 819	Lundy, William, Atalissa, Iowa. Lifting-gate	June 22, 1875	958	310	7	1027
164, 313	Lunkenheimer, Frederick, Cincinnati, Ohio, and Alexander Riegler, Newport, Ky. Sand-core for castings	June 8, 1875	449	143	7	1002
166, 393	Lunkenheimer, Frederick, Cincinnati, Ohio. Globe-valve	Aug. 3, 1875	195	58	8	226
	Lusby, Comegys C. (See Gray & Lusby)					
165, 423	Lusby, James A., and John V. Smith, Washington, D. C., assignors of one-half interest to Walton Brothers, New York, N. Y. Ship's galley	July 13, 1875	291	86	8	55
162, 083	Lusk, Stephen C., Yonkers, N. Y. Cot-bedstead	Apr. 13, 1875	437	146	7	640

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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166, 618	Lussenhop, Ferdinand C., Hoboken, N. J. Awning.....	Aug. 10, 1875	414	128	8	266
170, 868	Lusted, Charles, New Orleans, La. Drop-bamocier.....	Dec. 7, 1875	188	64	8	976
169, 456	Luthy, Adolph, New York, N. Y. Bottle-stopper.....	Nov. 2, 1875	121	38	8	751
161, 973	Luttgens, Henry A., Paterson, N. J. Thill-coupling.....	Apr. 13, 1875	346	116	7	628
169, 912	Lutz, Frank W., Kittery, Me. Saw-filing machine.....	Nov. 16, 1875	603	187	8	828
	Luxa, Franz. (See Svoboda & Luxa.)					
171, 396	Lyall, James, New York, N. Y. Take-up motion for looms.....	Dec. 21, 1875	736	238	8	1062
	Lybarger, Jasper R. (See McGugin, Lybarger & Hibbets.)					
	Lye, Francis J. (See Lye, Lewis N., assignor.)					
171, 297	Lye, Lewis N., Allen County, assignor of one-half interest to Francis J. Lye, Delphos, Ohio. Anti-incrustation compound.....	Dec. 21, 1875	635		8	1050
168, 654	Lyman, Azel S., New York, N. Y. Apparatus for purifying, drying, and cooling or warming air.....	Oct. 11, 1875	334	109	8	620
169, 457	Lyman, Charles H., assignor to Bradley and Hubbard Manufacturing Company, West Meriden, Conn. Lantern.....	Nov. 2, 1875	121	39	8	752
	Lyman, Darius. (See Torrey & Lyman.)					
	Lyman, D. T. (See Lyman, Gurdon E., assignor.)					
163, 792	Lyman, George B., Dayton, Ohio. Extension-table slide.....	May 25, 1875	1011	321	7	910
158, 644	Lyman, Gurdon E., assignor to D. T. Lyman, Providence, R. I. Spool machine.....	Jan. 12, 1875	273	92, 93	7	62
159, 274	Lyman, Levi L., and Edward A. Boell, San Francisco, Cal. Slate-washer.....	Feb. 2, 1875	29	10	7	188
8, 466	Lyman, Seymour, Leominster, Mass. Letter or toy building-block..... (Design.)	July 6, 1875			8	4
169, 277	Lyman, William, Middlefield, Conn. Oar.....	Oct. 26, 1875	929	302	8	718
166, 997	Lynam, John T., Louisville, Ky. Grain-drill.....	Aug. 24, 1875	803	294	8	338
	Lynch, John, jr. (See Brown, Isaac W., assignor.)					
	Lyon & Healey. (See White, Hiram W., assignor.)					
164, 314	Lyon, Arza T., Cincinnati, Ohio. Paint compound.....	June 8, 1875	450		7	1002
164, 850	Lyon, Arza T., Cincinnati, assignor to the Indestructible Building Material Company, Ohio. Composition for building purposes.....	June 22, 1875	959		7	1087
164, 851	Same..... Paint compound.....	June 22, 1875	959		7	1087
169, 278	Lyon, Charles M., Newark, N. J. Machine for ornamenting cuspadores and similar articles.....	Oct. 26, 1875	930	302	8	718
159, 520	Lyon, Emma D., Ottawa, Ill. Rotary-engine.....	Feb. 9, 1875	248	92	7	231
165, 846	Lyon, George R., assignor to R. G. Case, Chicago, Ill. Extension-fixture for lamps and chandeliers.....	July 20, 1875	708	216	8	130
	Lyon, George W., et al. (See White, Hiram W., assignor.)					
	Lyon, Henry A. (See Humbert, Leroy, assignor.)					
8, 464	Lyon, James B., Pittsburg, Pa. Glassware..... (Design.)	July 6, 1875			8	4
8, 465	Same..... Base of glassware..... (Case B. Design.)	July 6, 1875			8	4
161, 531	Lyon, James W., Brooklyn, N. Y. Gas-burner.....	Mar. 30, 1875	1225	394	7	547
169, 364	Same..... Blank for gas-fitters' hooks.....	Nov. 2, 1875	45	13	8	740
165, 357	Lyon, Lucius, New York, N. Y. Sewing-machine.....	Oct. 11, 1875	423	138	8	632
167, 916	Lyon, Sylvanus, Springfield, N. J. Pocket-book.....	Sept. 21, 1875	5. 2	159	8	493
166, 470	Lyon, Thomas, Hartford, and Emery Parker, assignors to Russell and Irwin Manufacturing Company, New Britain, Conn. Lock for sliding doors.....	Aug. 10, 1875	291	87	8	248
168, 034	Lyon, William, Newark, N. J. Rotary pump.....	Sept. 21, 1875	606	194	8	509
168, 035	Same..... Rotary engine.....	Sept. 21, 1875	606	195	8	509
168, 540	Lyons, Gilbert C., Clarinda, Iowa. Colter.....	Oct. 19, 1875	507	166	8	653
163, 346	Lyons, John, assignor of one-half interest to Philo. S. Croft, New Haven, Conn. Music-stand.....	July 6, 1875	186	56	8	34
164, 194	Lyons, Michael F., New York, N. Y. Window.....	June 8, 1875	333	114	7	987
	Lyons, Philip. (See Flummerfelt, Daniel A., assignor.)					
170, 285	Lyons, Samuel C., Bennington, Vt. Water-wheel.....	Nov. 23, 1875	961	301	8	884
	Lyons, William A. (See Gregg, Marshall, assignor.)					
169, 560	Lyttle, William A., Hammersmith, England. Apparatus for the production of iron and steel from the ore.....	Nov. 2, 1875	219	72	8	764
160, 924	Mabie, George W., Brooklyn, N. Y. Pen and pencil case.....	Mar. 16, 1875	629	205	7	452
171, 149	Macabies, Paul N. J., Paris, France. Water-feeder for steam-boilers.....	Dec. 14, 1875	472	154	8	1020
166, 932	Macaulay, Antay, Cambridgeport, Mass. Combined horse-collar and hame.....	Aug. 24, 1875	736	228	8	329
166, 471	MacConnel, Augustus, Cambridge, Mass. Governor for electric motors.....	Aug. 10, 1875	291	87	8	248
163, 511	MacDonald, John C., Waddon, and Joseph Calverley, Surrey County, England. Printing-press.....	Oct. 5, 1875	173	56	8	589
	Macdonald, Joseph A. (See Crow, William J., assignor.)					
170, 869	Macdonald, Manvill M., Syracuse, N. Y. Plaiting-machine.....	Dec. 7, 1875	189	64	8	976
162, 835	Maack, Martin M., Belvidere, Ill. Barbed fence-wire.....	May 4, 1875	90	30	7	759
8, 067	Mackay, John R., assignor to C. Rogers & Bros., West Meriden, Conn. Coffin-bandlo socket..... (Design.)	Feb. 16, 1875			7	261
159, 831	Mackay, Patrick N., San Francisco, Cal. Flux for treating ores..... (Design.)	Feb. 16, 1875	571		7	276
	MacKellar, Smiths & Jordan. (See Uhlenburg, Herman, assignor.)					
	Same..... (See Jordan, Peter A., assignor.)					
170, 678	Mackenzie, Neal M., Providence, R. I. Sofa.....	Dec. 7, 1875	23	7	8	954
165, 347	Mackenzie, Philip W., Blauveltville, N. Y. Manufacture of gas.....	July 6, 1875	186	56	8	34
163, 265	Same..... Gas apparatus.....	Sept. 28, 1875	845	270	8	549
168, 758	Same..... Apparatus for the manufacture of illuminating-gas.....	Oct. 11, 1875	424	138	8	633
169, 648	Macker, Helen L., Boston, Mass. Alloy for bell-metal.....	Nov. 9, 1875	328		8	785
159, 591	Mackey, John C., Chicago, Ill. Lath-bolting machine.....	Feb. 9, 1875	336	{ 111 } { 112 }	7	239
168, 759	Same..... Lath-machine.....	Oct. 11, 1875	425	139	8	633
166, 119	Mackey, Robert, and Matthew Green, Nevada, Mo. Cotton-press.....	July 27, 1875	978	302	8	180
165, 106	Mackinney, Herbert G., assignor to Albert J. Smith, Hervey Huestis, and Herbert G. Mackinney, North Attleborough, Mass. Umbrella-handle.....	June 29, 1875	1207	388	7	1127
165, 940	Mackinney, Herbert G., North Attleborough, Mass. Handkerchief-holder.....	July 27, 1875	809	248	8	116
167, 457	Same..... Setting gems.....	Sept. 7, 1875	68	21	8	416
168, 266	Mackli, Frank, Richmond, Tex. Wash-boiler.....	Sept. 28, 1875	847	270	8	549
166, 535	Mackrell, William S., assignor to self, William B. Wilson, and Curtis T. Rodf, Brenham, Tex. Metallic window-blind.....	Aug. 10, 1875	341	105	8	255
170, 870	Maclure, John, assignor to Edwin R. Cahoon, Newark, N. J. Harness-saddle.....	Dec. 7, 1875	189	64, 65	8	976
170, 871	Same..... same.....	Dec. 7, 1875	190	65	8	976
159, 332	Macomber, Thomas S., Hamilton, N. Y. Plow.....	Feb. 2, 1875	91	31	7	196
160, 699	Macomber, Wymon C., assignor, by mesne assignment, to Minneapolis Manufacturing Company, Minneapolis, Minn. Drive-well strainer.....	Mar. 9, 1875	401	134	7	415
163, 599	Maconeale, Neil, Cincinnati, Ohio. Safe-door.....	July 13, 1875	456	138	8	80
162, 758	Macone, James, Webster City, Iowa. Butter-worker.....	May 4, 1875	20	7	7	749
160, 740	Maconeil, Donald L., New York, N. Y. Retor for the manufacture of illuminating-gas.....	Mar. 9, 1875	446	148	7	421
160, 691	MacNeil, Thomas, Brooklyn, N. Y. Chamber of fire-arms and ordnance.....	Mar. 9, 1875	400	134	7	415
169, 458	MacNutt, Ezra, Philadelphia, Pa. Watch-regulator.....	Nov. 2, 1875	122	39	8	752

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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158, 722	Macphail, James, La Porte City, Iowa. Bag-fastener	Jan. 12, 1875	344	117	7	72
166, 212	Macqueen, Alfred, jr., Philadelphia, Pa. Shower-bath	Aug. 3, 1875	26	9	8	502
169, 820	Macqueen, William S., Philadelphia, Pa. Soldering-tool	Nov. 9, 1875	505	158	8	807
161, 889	Macy, Elzbert, Brooklyn, N. Y., assignor of two-thirds interest to Franz Samuelson, Jersey City, N. J., and Thomas M. Brintnall, New York, N. Y. Milk-conductor	Apr. 13, 1875	276	93	7	620
158, 426	Madden, Michael. (See Winter, Louis F., assignor.) Madden, Michael, assignor of one-half interest to William C. McFadden, Harrisburgh, Pa. Car-brake	Jan. 5, 1875	62	22	7	18
167, 616	Same. Car-brake shoe	Sept. 14, 1875	223	65	8	414
166, 998	Maddock, Thomas, Trenton, N. J. Hand wash-bowl	Aug. 21, 1875	804	249	8	338
160, 419	Maedel, Ernst A., Washington, D. C. Music-leaf turner	Mar. 2, 1875	175	60	7	373
162, 566	Magce, Henry, South Boston, Mass. Combined pastry-table and refrigerator	Apr. 27, 1875	926	597	7	717
169, 013	Maginness, E. A., et al. (See Van Dusen, Charles, assignor.) Maginness, Edmund A., New Albany, Ind. Fire-extinguisher	Oct. 19, 1875	666	219	8	671
163, 221	Maclaughlin, Alfonso A., assignor of one-half interest to Llewellen H. Johnson, Cold Water, Mich. Compound for insulating telegraph-wires	May 11, 1875	466		7	815
52, 736	Magoun, Abner E., Philadelphia, Pa. Window-screen (Disclaimer filed)	Aug. 13, 1875			8	194
167, 917	Magruder, Thomas J., Marion, Ohio, assignor of one-half interest to James Thornton and Emmet G. Latta, Friendship, N. Y. Harness buckle	Sept. 21, 1875	503	160	8	493
167, 263	Maguire, Thomas, Port Jervis, N. Y. Hitching-post	Aug. 31, 1875	1065	332	8	382
167, 550	Same. Pump-valve	Sept. 7, 1875	150	46	8	427
165, 713	Mahler, Frederick, Rochester, N. Y. Commode or stand	July 20, 1875	600	184	8	116
161, 422	Mahoney, James F., Erie, Pa. Fusible plug for steam-generators	Mar. 30, 1875	1119	362	7	533
160, 272	Mahony, James, Newport, R. I. Shaking-grate	Mar. 2, 1875	16	7	7	351
163, 020	Same. Ship's berth	May 11, 1875	221	91	7	792
159, 521	Mahony, Jeremiah B., Boston, Mass. Extension-ladder	Feb. 9, 1875	285	92	7	231
170, 006	Maiden, Henry. (See Iles, Henry J., assignor.) Maigne, William H., Abington, Mass. Curtain-fixture	Nov. 16, 1875	680	213	8	839
169, 113	Mainer, Robert, Orillia, Canada. Caddy for holding tea, coffee, &c	Oct. 26, 1875	785	255	8	698
170, 576	Maitland, John, et al. (See Adgate, Joseph J., assignor.) Malcolm, Robert J., Cincinnati, Ohio. Stop and waste cock	Nov. 30, 1875	1240	391	8	951
166, 391	Malcolmson, Thomas, assignor of one-half interest to David L. Trax, Oil City, Pa. Pump-piston for artesian wells	Aug. 3, 1875	196	58	8	226
6, 504	Males, Samuel, Cincinnati, Ohio. Cider-mill (Reissue)	June 22, 1875	1620	329	7	1054
165, 941	Malhère, Eugene, Paris, France. Lace-machine	July 27, 1875	810	248	8	156
166, 120	Malin, Ann, Darby, Pa. Frying-pan	July 27, 1875	970	302	8	180
8, 126	Malkin, Levi G., New York, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet (Design)	Feb. 23, 1875			7	302
8, 127	Same. same (Design)	Feb. 23, 1875			7	302
8, 128	Same. same (Design)	Feb. 23, 1875			7	302
8, 129	Same. same (Design)	Feb. 23, 1875			7	302
8, 130	Same. same (Design)	Feb. 23, 1875			7	302
8, 131	Same. same (Design)	Feb. 23, 1875			7	302
8, 528	Same. same (Design)	July 27, 1875			8	148
163, 672	Mallery, Isaac, Dryden, N. Y. Water-wheel	May 25, 1875	910	289	7	897
170, 633	Same. same	Nov. 10, 1875	1301	410	8	938
166, 472	Mallinson, James, Wolvyn, England. Stop-cock	Aug. 10, 1875	292	87	8	248
162, 484	Mallory, Amos, Mystic River, Conn. Bason-board	Apr. 27, 1875	557	275	7	768
163, 671	Mallory, Amos, Mystic Bridge, Conn. Loom-shuttle binder	May 25, 1875	909	289	7	897
8, 772	Mallory, Burton, assignor to Mallory, Wheeler & Co., New Haven, Conn. Door-knob (Design)	Nov. 9, 1875			8	776
164, 572	Mallory, Burton, New Haven, Conn. Mortise-lock for sliding doors	June 15, 1875	695	226	7	1044
162, 396	Mallory, Henry P. (See Segar, Charles T., assignor.) Mallory, Wheeler & Co. (See Andrews, William H., assignor.)	Apr. 20, 1875	752	244	7	686
167, 181	Same. same (Design)	Aug. 31, 1875	998	310	8	372
167, 182	Mallory, William H., Bridgeport, Conn. Steering-propeller	Aug. 31, 1875	998	310	8	372
167, 181	Mallory, William H., Cambridge, Mass. Cleaning obstructions from pipes of ice-machines	Nov. 9, 1875	506	159	8	808
167, 182	Same. Congealer or condenser	Nov. 9, 1875	506	159	8	808
167, 821	Malngren, Charles O., Chicago, Ill. Burglar-alarm	Nov. 9, 1875	506	159	8	808
160, 925	Malmaström, Peter E., and Paul E. Dummer, New York, N. Y. Drawing effervescent liquids	Mar. 16, 1875	630	205	7	452
158, 506	Malone, John H., South Manchester, Conn. Washing-machine	Jan. 5, 1875	138	46	7	28
165, 348	Maloney, James A., et al. (See Reynolds, Ransom S., assignor.) Maloney, James A. (See Wheeler, Jesse B., assignor.)	July 6, 1875	188		8	35
158, 427	Maltby, E. Chapman. (See Smith & Maltby.) Manasse, Emanuel, Napa, Cal. Process of preparing or tanning skins	Jan. 5, 1875	64	23	7	18
164, 315	Manchester, Eugene L., and John A. Bolen, Springfield, Mass. Thread-winding guide Manderville, James H. (See Tallman & Manderville.) Manderville, James H., Washington, D. C. Adjustable tripod for mining-drills	June 8, 1875	450	148	7	1002
167, 264	Mance, Wesley, Jefferson Township, Mich. Churn-cap	Aug. 31, 1875	1067	332	8	382
161, 620	Manes, James, Pittsburgh, Pa. Revolving furnace	Apr. 6, 1875	27	11	7	572
167, 918	Mangum, William P., Cropper's Depot, Ky. Churn	Sept. 21, 1875	504	160	8	493
158, 852	Mangus, Levi, North Liberty, Ind. Pitman-connection	Jan. 19, 1875	481	161	7	166
170, 386	Manhattan Lime Hurdle Company. (See Day, George W., assignor.) Maoley, Almon D., Washington, Mich. Horse-power	Nov. 23, 1875	1051	330	8	896
162, 933	Manley, Andrew J. (See Perry & Manley) Manley, Henry P., assignor of one-half interest to Nathan P. Chaney, Potsdam, N. Y. Feather-renovator	May 4, 1875	181	60	7	771
167, 919	Manley, Jared S., Canton, Pa. Endless-chain-pump bucket	Sept. 21, 1875	504	160	8	493
160, 533	Mann, Charles S., and William Y. A. Boardman, assignor to New England Awl and Needle Company, West Medway, Mass. Machine for bending awls, needles, &c	Mar. 9, 1875	262	89	7	395
165, 030	Mann, Henry A., jr. (See Medbery, Mann & Drake.) Mauebach, Julius, New York, N. Y. Miter-planing machine	July 13, 1875	456	139	8	80
167, 403	Manner, George C., Mott Haven, Conn. Piano-forte	Sept. 7, 1875	22	6	8	409
164, 465	Manning, Alfred C., Hartford, Conn. Sash-fastener	June 15, 1875	606	196	7	1031
164, 467	Same. Ventilating-fastener for sashes	June 15, 1875	607	196	7	1031
163, 031	Manning, Charles H., Washington, D. C. Tan-vat	May 11, 1875	282	91	7	792
165, 010	Manning, George A., Iliou, N. Y. Belt-connection	June 23, 1875	1122	362	7	1115
161, 250	Manning, Ira, Philadelphia, Pa. Feed-wheel for sewing-machines	Mar. 23, 1875	949	366	7	502
161, 890	Manning, Joseph C., trustee. (See Peters, William, assignor.) (Reissue.) Manning, Walter H., Boston, Mass. Combined pie-plate and cutter	Apr. 13, 1875	276	93	7	620



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159, 832	Manny, Abram M., Rockford, Ill. Corn planter .....	Feb. 16, 1875	572	190	7	276
6, 381	Manny, John P., Rockford, Ill. Mowing-machine. (Reissue) ..	Apr. 13, 1875	500	{ 164 165 }	7	648
6, 382	Same.....Harvester.....(Reissue) ..	Apr. 13, 1875	502	{ 165 166 166 }	7	648
6, 383	Same..... same.....(Reissue) ..	Apr. 13, 1875	506	{ 166 167 }	7	648
17, 798	Same..... same.....(Disclaimer filed) ..	Apr. 10, 1875	.....	.....	7	565
166, 017	Same..... same.....	July 27, 1875	881	272	8	166
166, 018	Same..... same.....	July 27, 1875	882	{ 272 273 }	8	166
166, 019	Same..... Mowing-machine .....	July 27, 1875	883	273	8	166
168, 572	Marrow, William E., Goshen, Ind. Eave-trough banger.....	Oct. 11, 1875	257	24	8	608
164, 631	Mansfield, Charles W., Braintree, Mass. Car-truck.....	June 22, 1875	777	254	7	1003
161, 532	Mansfield, Fielding, Saint Louis, Mo. Machine for boxing matches.....	Mar. 30, 1875	1226	{ 394 395 }	7	517
158, 851	Mansir, William H., Wakefield, Mass. Gun-cleaver.....	Jan. 19, 1875	480	161	7	106
	Manson, Albert L., et al. (See Sampson, William S., assignor.)					
	Manson, George W. (See Hallam & McKee, assignors).....(Reissue.)					
	Manton, Joseph P. (See Thruber, John G., jr., assignor.)					
6, 774	Manton, Joseph P., Providence, R. I. Windlass.....(Reissue) ..	Nov. 30, 1875	1324	418	8	942
169, 182	Same..... same.....	Oct. 26, 1875	842	275	8	707
166, 536	Mannuel, David A., Napa, Cal. Gaug-plow.....	Aug. 10, 1875	322	105	8	255
162, 836	Manvel, Garry, Rochester, N. Y. Roofing-tile.....	May 4, 1875	90	30	7	759
167, 920	Same..... Plane-cutter sharpener.....	Sept. 21, 1875	505	161	8	494
	Manville, C. M., et al. (See Johnson, John W., assignor.)					
	Marais, Ernest L. (See Durand & Marais.)					
	Marbach, Herman. (See Marbach, Robert and Herman.)					
166, 396	Marbach, Robert and Herman, Cleveland, Ohio. Sleigh-bell.....	Aug. 3, 1875	198	59	8	226
	Marble, Edwin W., et al. (See Mayo, Charles H., assignor).....(Reissue.)					
164, 195	Marble, George W., assignor of one-half interest to Adolph Shoemaker, Chicago, Ill. Standard for children's carriages.....	June 8, 1875	334	114	7	987
171, 923	Same..... Velocipede.....	Dec. 28, 1875	967	313	8	1103
171, 924	Same..... Waster for game-tables.....	Dec. 28, 1875	968	313	8	1103
8, 389	March, Lucas J., Deerfield, assignor to John Russell Cutlery Company, Turner's Falls, Mass. Handle of table-knives.....(Design.)	June 15, 1875	.....	.....	7	1013
	March, Thomas J. (See Brownback, March, Rogers & Towers).....(Design.)					
	Marchand, Charles E., et al. (See Gracey, Robert, assignor.)					
163, 089	Marchand, Henry E., Pittsburg, Pa. Valve for steam and air brakes.....	May 11, 1875	345	112	7	800
163, 090	Same..... Valve-gear for steam-engines.....	May 11, 1875	346	113	7	800
165, 349	Same..... Steam-valve.....	July 6, 1875	189	56	8	35
165, 350	Same..... same.....	July 6, 1875	190	57	8	35
	Marcus, William N., et al. (See Shinn, John, assignor.)					
167, 108	Marcy, John J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Lantern.....	Aug. 24, 1875	907	283	8	353
164, 759	Marcy, Lorenzo J., Philadelphia, Pa. Magic lantern.....	May 4, 1875	20	7, 8	7	749
163, 087	Same..... Lime-light apparatus for magic lanterns.....	May 11, 1875	342	{ 111 112 }	7	799
165, 242	Same..... Magic lantern.....	July 6, 1875	92	28	8	21
170, 577	Margedant, William C., assignor to Bentel, Margedant & Co., Hamilton, Ohio. Band sawing-machine.....	Nov. 30, 1875	1241	{ 391 392 392 }	8	931
	Same..... Scroll-sawing machine.....	Nov. 30, 1875	1246	{ 393 393 238 239 }	8	931
170, 578	Same..... Scroll-sawing machine.....	Nov. 30, 1875	1246	.....	8	931
171, 397	Margedant, William C., Hamilton, Ohio, assignor to Bentel, Margedant & Co. Surface-planing machine.....	Dec. 21, 1875	727	.....	8	1062
	Marini, L. G. (See Montalbetti, Vincenzo, assignor.)					
160, 023	Marion, Frank, Tremont, Ill. Hay-loader.....	Feb. 23, 1875	770	254	7	309
160, 926	Maris, John M., Philadelphia, Pa. Jar for anatomical specimens.....	Mar. 16, 1875	631	205	7	452
159, 429	Maris, Thomas C., Marietta, Ohio. Quilting-frame.....	Feb. 2, 1875	169	58	7	258
163, 388	Markel, Jacob J., Naukin, Ohio. Whip-socket.....	May 18, 1875	641	205	7	854
167, 109	Marker, Stephen A., assignor of one-half interest to Randolph Fraser, Indianapolis, Ind. Safety-loop for check-reins.....	Aug. 24, 1875	908	283	8	353
171, 150	Marker, Stephen A., Indianapolis, Ind. Coach-pad.....	Dec. 14, 1875	473	{ 154 155 }	8	1020
	Markham, D. Clinton. (See Markham, Homer C. and D. Clinton.)					
161, 533	Markham, Homer C. and D. Clinton, Lyon's Falls, N. Y. Mowing-machine.....	Mar. 30, 1875	1227	395	7	547
165, 679	Markley, Philemon, Canton, Ill. Washing machine.....	July 20, 1875	546	167	8	108
167, 771	Markoe, Fredrick, Philadelphia, Pa. Balancing toy.....	Sept. 14, 1875	364	115	8	465
169, 459	Markrud, Halvor, Ettrick, Wis. Wagon-brake.....	Nov. 2, 1875	124	39	8	752
158, 956	Marks, John W., Sumner, Ill. Spring-equalizer.....	Jan. 19, 1875	583	194	7	119
169, 014	Same..... Tire-tightener.....	Oct. 19, 1875	607	199	8	674
164, 688	Marks, Louis, San Francisco, Cal. Door-securer.....	June 22, 1875	811	265	7	1068
168, 910	Same..... Carbureter.....	Oct. 19, 1875	575	189	8	662
171, 028	Same..... Gas-holder.....	Dec. 14, 1875	351	117	8	1004
164, 573	Marks, Marcus, New York, N. Y. Mask-cap.....	June 15, 1875	695	226	7	1041
166, 395	Same..... Cap.....	Aug. 3, 1875	197	59	8	226
164, 745	Marks, William D., Chattanooga, Tenn. Governor.....	June 22, 1875	863	281	7	1075
162, 837	Marland, Alfred, Pittsburg, Pa. Manufacture of hexagonal nuts.....	May 4, 1875	91	30	7	759
162, 838	Marland, Alfred, and William J. Lewis, Pittsburg, Pa. Machine for making box-nuts.....	May 4, 1875	92	30	7	759
162, 839	Same..... Machine for making plow-caps.....	May 4, 1875	93	31	7	759
	Marley, Henry A. (See Cline, William, jr., assignor.)					
159, 592	Marlin, John M., New Haven, Conn. Reversible firing-pin for breech-loading fire-arms.....	Feb. 9, 1875	327	112	7	239
166, 537	Marlin, John M., Willett, Pa. Car-coupling.....	Aug. 10, 1875	343	105	8	255
168, 037	Marotzki, Albert, Jersey City, N. J. Nail.....	Sept. 21, 1875	608	195	8	509
	Marquard, Charles F. (See Dougherty, George H., assignor.)					
170, 752	Marquis, Diedrich, New York, N. Y. Cigarette mouth-piece.....	Dec. 7, 1875	90	29	8	962
	Marr, William C. (See Maughlin & Marr.)					
	Marriott, Ambrose. (See Lamb, Joseph R., assignor.)					
168, 038	Marschalk, Charles, Dantzig, Prussia. Diver's lamp.....	Sept. 21, 1875	609	196	8	569
	Marsden, Harry. (See Blaimires & Marsden.)					
159, 196	Marsden, Samuel M., Wilkesbarre, Pa. Wash-boiler.....	Jan. 26, 1875	824	271	7	159
	Marsh, Charles A. (See Bonfils, Paul, assignor.)					
6, 223	Marsh, Charles W. and William W., Sycamore, Ill. Harvester.....(Reissue) ..	Jan. 12, 1875	304	133	7	79
6, 224	Same..... same.....(Reissue) ..	Jan. 12, 1875	395	133	7	79
6, 329	Same..... same.....(Reissue) ..	Mar. 9, 1875	460	151	7	42
6, 330	Same..... same.....(Reissue) ..	Mar. 9, 1875	490	152	7	42

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr & Cr	Vol.	Page.
160, 606	Marsh, Ephraim H., Osage Mission, Kans. Chinch-bug gatherer .....	Mar. 9, 1875	326	110	7	401
163, 622	Marsh, Frank F., and Arthur F. Thompson, Boston, Mass. Nursing apparatus .....	May 11, 1875	283	92	7	792
165, 351	Marsh, George, Marshall, Mich. Gate-hinge .....	July 6, 1875	191	57	8	35
167, 551	Marsh, Isaac R., and Ira Bell, Brasher Falls, N. Y. Cattle-stall .....	Sept. 7, 1875	150	46, 47	8	437
164, 574	Marsh, James P., Chicago, Ill. Exercising machine or health-lift .....	June 15, 1875	696	226	7	1044
164, 926	Marsh, James S., Lewisburgh, Pa. Harvester-rake .....	June 29, 1875	1652	339	7	1166
	Marsh, Joseph W. (See Carpenter, Jesse, assignor.)					
168, 573	Marsh, Riverius, Flushing, N. Y. Chandelier .....	Oct. 11, 1875	258	84	8	608
161, 695	Marsh, Timothy D., and Franklin M. Crane, Jersey, Ohio. Locking device for machinery .....	Apr. 6, 1875	90	32	7	582
	Marsh, William W. (See Marsh, Charles W. and William W.) (Reissue.)					
163, 597	Marsh, William W., Sycamore, Ill. Windmill .....	May 25, 1875	849	268	7	888
163, 598	Same. .... Painting machine .....	May 25, 1875	850	268	7	889
163, 501	Marshall, Calvin, North Easton, Mass. Snow-plow .....	May 18, 1875	745	237	7	867
163, 633	Marshall, Charles G., assignor to Charles Noble, M. D., Charles Noble, and Francis P. Nicholson, Philadelphia, Pa. Grate for heating-stoves .....	Feb. 9, 1875	427	143	7	251
161, 174	Marshall, Charles K., Vicksburgh, Miss. Jack-screw .....	Apr. 13, 1875	347	117	7	628
161, 975	Same. .... Spike .....	Apr. 13, 1875	348	117	7	629
	Marshall, George. (See Beach & Marshall.)					
169, 649	Marshall, Horace B., Kingston, assignor to George H. Allen, Ayer, Mass. Blackboard attachment .....	Nov. 9, 1875	328	101	8	785
	Marshall, John B. (See Hartley & Marshall.)					
	Marshall, Joseph C. (See Smith & Marshall.)					
171, 298	Marshall, Nathaniel, Plattsburgh, N. Y. Spinning-machine .....	Dec. 21, 1875	635	208	8	1050
	Marshall, Randolph F., et al. (See Milliser, John L., assignor.)					
161, 927	Marshall, Randolph P., Liscomb, Iowa. Brick-kiln .....	Mar. 16, 1875	631	206	7	452
6, 471	Marshall, William C., New York, N. Y., assignor to Arthur A. Libby, Chicago, Ill. Process for preserving meat .....	May 25, 1875	1061	.....	7	917
6, 492	Same. .... Apparatus for preserving meat .....	May 25, 1875	1062	335	7	917
164, 852	Marshall, Edward, Sing Sing, N. Y. Liquid-meter .....	June 22, 1875	900	311	7	1087
163, 925	Marsters, Enoch J., Stockton, Cal. Folding-table .....	June 29, 1875	1122	362	7	1115
168, 267	Marston, Thomas P., New York, N. Y., assignor to Philip Hake, Hoboken, N. J. Tag-fastener .....	Sept. 28, 1875	847	270	8	549
169, 650	Marston, Thomas P., New York, N. Y., assignor to Philip Hake. Tag-fastener .....	Nov. 9, 1875	329	104	8	786
	Martens, Marten. (See Bertelsen & Martens.)					
164, 747	Martens, Walter P., Pittsburgh, Pa. Nut-lock .....	June 22, 1875	861	281	7	1075
163, 725	Martin, Alexander C., Hamilton, Ohio. Saw-handle .....	May 18, 1875	585	187	7	847
169, 561	Martin, Andrew J., assignor to P. P. Mast & Co., Springfield, Ohio. Feeding-mechanism for grain-drills .....	Nov. 2, 1875	221	72, 73	8	764
8, 333	Martin, Arthur, Paris, France, assignor to Roxbury Carpet Company, Boston, Mass. Carpet .....	May 18, 1875	.....	.....	7	837
170, 179	Martin, Benjamin G., New York, N. Y., assignor to the United States Power-Press Company. Power-press .....	Nov. 23, 1875	867	271	8	871
168, 512	Martin, Celestin, Verviers, Belgium. Wool-spinning machinery .....	Oct. 5, 1875	175	56	8	589
	Martin, Charles J. (See Simpson, Charles C., assignor.)					
169, 461	Martin, Edward G., Kankakee, Ill. End-gate .....	Nov. 2, 1875	127	40	8	752
	Martin, Edwin. (See Bird, Joseph C., assignor.)					
159, 593	Martin, Franklin J., Williamsport, Pa. Saw-burring tool .....	Feb. 9, 1875	338	112	7	239
	Martin, Frederick J. (See Reyburn & Martin.)					
168, 655	Martin, George B., and Julius A. Preston, New Haven, Conn. Coal-barge .....	Oct. 11, 1875	336	109	8	620
159, 430	Martin, George W., and James C. Moore, Brookston, Ind. Hay-elevator .....	Feb. 2, 1875	170	58	7	208
160, 534	Martin, Gratin, Lynn, assignor of one-half interest to Robert McIntyre, Everett, Mass. Tackle-block .....	Mar. 9, 1875	264	90	7	395
160, 214	Martin, Henry, Louisville, Ky. Umbrella .....	Feb. 23, 1875	932	306	7	332
	Martin, Henry M., et al. (See White, William H., assignor.)					
163, 323	Martin, Henry M., New York, N. Y. Manufacture of gas .....	May 18, 1875	580	{ 186 187 }	7	847
163, 324	Same. .... Manufacture of gas and oil .....	May 18, 1875	582	{ 187 188 }	7	847
158, 853	Martin, Horace B., San Francisco, Cal. Mechanical calculator .....	Jan. 19, 1875	481	{ 161 162 }	7	106
161, 251	Martin, Jacob, Cairo, Ill. Machine for making barrels .....	Mar. 23, 1875	941	{ 306 307 }	7	502
	Martin, James. (See White, Martin V. B., assignor.)					
166, 619	Martin, James G. L., Enfield, Ala. Lock for doors, &c .....	Aug. 10, 1875	415	128	8	266
166, 620	Same. .... Lock for doors .....	Aug. 10, 1875	417	{ 128 129 }	8	266
165, 107	Martin, John F., assignor of one-half interest to Rand, McSherry & Co., Baltimore, Md. Extension-table .....	June 29, 1875	1207	388	7	1127
164, 746	Martin, Joseph T., New York, N. Y. Ice-breaking attachment for vessels .....	June 22, 1875	864	281	7	1075
166, 793	Martin, Joseph T., Newark, N. J. Ice-breaker .....	Aug. 17, 1875	592	182	8	309
	Martin, Josiah I. (See Cox, Charles H., assignor.)					
162, 684	Martin, Lucien A., San Francisco, Cal. Printer's type-case .....	Apr. 13, 1875	438	146	7	610
159, 604	Martin, Moritz, Bitterfeld, Prussia. Flour-dressing machine .....	Feb. 9, 1875	429	143	7	251
164, 669	Martin, Orin, Bloomfield, Iowa. Earth-boring apparatus .....	June 22, 1875	812	265	7	1063
168, 911	Martin, Samuel, Knobnoster, Mo. Brick-machine .....	Oct. 19, 1875	576	190	8	662
162, 307	Martin, Samuel B., San Francisco, Cal. Ice-machine .....	Apr. 20, 1875	753	245	7	687
161, 976	Martin, Samuel B., and John M. Beath, San Francisco, Cal. Ice manufacture and machine .....	Apr. 13, 1875	348	117	7	659
169, 913	Martin, Samuel W., assignor to P. P. Mast, Springfield, Ohio. Boiler-tube .....	Nov. 16, 1875	604	187	8	828
	Martin, Thomas J., et al. (See Pounds, William H., assignor.)					
158, 802	Martin, Thomas J., assignor of two-thirds interest to David W. Stuart, Philadelphia, Pa., and William E. Prall, Washington, D. C. Gas-carbureting machine .....	Jan. 19, 1875	436	146	7	109
8, 343	Martin, William, Philadelphia, Pa. Ornamental star .....	May 25, 1875	.....	.....	7	879
170, 483	Martin, William F., assignor of one-half interest to Samuel Gilbert, Philadelphia, Pa. Cut-off valve .....	Nov. 30, 1875	1157	364	8	919
163, 673	Martin, William H., Mobile, Ala. Toy gun .....	May 25, 1875	911	290	7	897
	Martin, William I. (See Hiler, Selah, assignor.)					
167, 848	Martin, William S., Baltimore, Md. Fog-signal .....	Sept. 21, 1875	447	142	8	485
170, 286	Martin, Wolfgang A., Pittsburgh, Pa. Composition for infusions and beverages .....	Nov. 23, 1875	962	.....	8	884
168, 404	Martinez, Dionisio M., Philadelphia, Pa. Sight for fire-arms .....	Oct. 5, 1875	76	27	8	576
162, 485	Marty, John M., La Crosse, Wis. Steam-engine .....	Apr. 27, 1875	858	276	7	708
	Marty, Vincent. (See Ravand & Marty.)					
163, 088	Martyn, Henry, Boston, Mass. Sheet-metal box .....	May 11, 1875	344	112	7	800
163, 793	Same. .... Die for forming sheet-metal .....	May 25, 1875	1012	321	7	910
167, 183	Same. .... Composition for coating leather .....	Aug. 31, 1875	909	.....	8	373
170, 387	Martyn, William P., San Francisco, Cal. Potato-digger .....	Nov. 24, 1875	1052	330	8	846

Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. & G.	Vol.	Page.
	Marvel, John A. (See Groff & Marvel.)					
	Marx, Ernest. (See Hartwick & Marx.)					
	Maschmeyer, George. (See Minderle & Maschmeyer.)					
170, 180	Mason, Alfred W. J., New Orleans, La. Condensing-saturator for bagasse	Nov. 23, 1875	869	271	8	871
170, 484	Same..... Evaporating-pan	Nov. 30, 1875	1158	365	8	919
163, 691	Mason, Arnold P., and George and Henry W. Chamberlin, assignors to George Chamberlin & Son, Olean, N. Y. Machine for pressing horse-collar pads	May 11, 1875	347	113	7	800
166, 121	Mason, Benjamin A., New York, N. Y. Machine for threading wood-screws	July 27, 1875	980	{ 302 303 } 393	8	180
170, 579	Mason; Henry H., Springfield, Vt. Clothes-pin	Nov. 30, 1875	1248		8	931
159, 106	Mason, Herbert N., and Orville P. Richardson, Attleborough, Mass.; said Richardson assignor to said Mason. Sleeve-buiron	Jan. 26, 1875	745	245	7	148
	Mason, James M., et al. (See Morrow, William F., assignor.)					
161, 252	Mason, Japheth, Taunton, Mass. Carding-machine	Mar. 23, 1875	944	308	7	503
	Mason, J. M., et al. (See Kacarovsky, Joseph, assignor.)					
169, 114	Mason, John B., Quincy, assignor to William H. L. Smith, Boston, Mass. Pulley or gear-wheel	Oct. 26, 1875	726	255	8	698
159, 197	Mason, John L., New Brunswick, N. J. Nursing-bottle	Jan. 26, 1875	825	272	7	159
164, 632	Same..... Smoke-stack	June 22, 1875	778	255	7	1063
164, 633	Mason, John L., New Brunswick, and Andrew and John M. Sinclair, Camden, assignors to John L. Mason, New Brunswick, N. J. Refrigerator	June 22, 1875	778	255	7	1063
166, 538	Mason, John R., Wilmington, Del. Chuck and centerer	Aug. 10, 1875	314	105	8	256
161, 804	Mason, Joshua, Paterson, N. J. Steam-radiator	Apr. 6, 1875	183	62	8	595
161, 803	Mason, Matthew B., assignor to self and Robert H. Hunt, Kansas City, Mo. Spark-arrester	Apr. 6, 1875	182	62	7	535
	Mason, Rodney, et al. (See Cochrane, William F., assignor.) (Reissue.)					
158, 937	Mason, William, assignor to Colt's Patent Fire-Arms Manufacturing Company, Hartford, Conn. Revolving fire-arm	Jan. 19, 1875	585	194	7	119
	Masse, Jacques. (See Bodel, Masse & Webster.)					
	Massecar, Levi. (See Yocom, John, assignor.)					
164, 316	Massey, Orren W., Macon, Ga. Cotton-gin	June 8, 1875	452	149	7	1002
167, 619	Same..... same	Sept. 14, 1875	277	87	8	452
171, 398	Same..... same	Dec. 21, 1875	728	239	8	1062
	Massie, Isaac, Ironton, Ohio. Boot-jack					
	Massie, Theodore G. (See Beall, Charles B., assignor.)					
	Massing, William. (See Miller, Charles H., assignor.)					
	Massing, William, et al. (See Miller, Charles H., assignor.)					
	Mast & Co., P. P. (See Martin, Andrew J., assignor.)					
158, 723	Mast, Peter, Waterville, Ohio. Horse hay-rake	Jan. 12, 1875	344	117	7	73
	Mast, P. P. (See Martin, Samuel W., assignor.)					
169, 715	Masterman, William H., San Leandro, Cal. Wheel-hub	Nov. 9, 1875	395	124	8	794
165, 168	Mastern, John, West Alexandria, Ohio. Harrow	June 29, 1875	1208	389	7	1127
159, 765	Masterson, Levi J., Philadelphia, Pa., assignor of one-third interest to John B. Ford, Washington, D. C. Conductor's alarm and registering hand-stamp	Feb. 16, 1875	510	171	7	268
159, 943	Masterson, Levi J., assignor of one-third interest to John Killpatrick, Philadelphia, Pa. Ticket-rod	Feb. 16, 1875	675	224	7	290
161, 891	Mather, Emmett, assignor to Frank Sturges & Co., Chicago, Ill. Dredge-box	Apr. 13, 1875	277	93	7	650
	Mather, John. (See Speir & Mather.)					
159, 944	Mathers, George C., Louisville, Ky. Curtain-fixture	Feb. 16, 1875	676	224	7	290
169, 822	Same..... same	Nov. 9, 1875	507	159	8	808
160, 832	Mathes, John H., Elliot, Me. Mold for angle-bricks	Mar. 16, 1875	533	179	7	442
168, 036	Mathes, Philip, Easton, Pa. Reversible latch	Sept. 21, 1875	607	195	8	509
100, 024	Matheson, George, McKeesport, Pa., assignor to the National Tube Works Company, McKeesport, Pa. Roll for straightening and finishing tubes	Feb. 23, 1875	771	{ 254 255 }	7	310
164, 011	Matheson, George, assignor to self and National Tube Works Company, McKeesport, Pa. Device for drawing and welding tubing	June 1, 1875	144	51	7	950
169, 460	Matheson, George, McKeesport, Pa. Device for pushing tube-skelps into and through furnaces	Nov. 2, 1875	125	40	8	752
171, 234	Same..... Joint and coupling for tubes	Dec. 21, 1875	578	190	8	1042
170, 872	Mathews, John, assignor to Samuel B. Harvey, Lawrence, Mass. Chandelier	Dec. 7, 1875	191	66	8	976
166, 122	Mathews, Mathew, Saggert, Ireland. Machine for water-marking paper	July 27, 1875	923	363	8	160
155, 243	Mathewson, Ceylon E., and Harvey T. Mills, Franklin Corners, Pa. Machine for catching and destroying potato-bugs	July 6, 1875	94	28	8	82
161, 423	Mathewson, Sebra R., Gilroy, Cal. Steam-generator	Mar. 30, 1875	1121	362	7	533
158, 382	Mathewson, Thomas A., Pawtucket, R. I. Bobbin-holder for spooling-machines	Jan. 5, 1875	27	9	7	12
159, 522	Same..... Tap for casks	Feb. 9, 1875	266	92	7	231
160, 058	Same..... Spooling-machine	Feb. 23, 1875	801	{ 263 264 }	7	314
	Mathies, Robert H. (See McKay & Mathies.) (Reissue.)					
168, 165	Mathieson, James W., Brooklyn, N. Y., assignor to Sarah Hardick, John Ryer, and Abraham A. Van Hoesen, executors of Charles B. Hardick, deceased. Governor for engines	Sept. 28, 1875	760	240	8	527
163, 934	Matsinger, Maurice H., Philadelphia, Pa. Door-check	May 4, 1875	182	60	7	771
	Matson, Enos C. (See Patterson, Thomas, assignor.)					
162, 398	Matteson, Elisha, assignor of one-half interest to Otis G. Bailey and Thomas H. Brown- ing, Norwich, Conn. Fire-escape	Apr. 20, 1875	755	245	7	687
	Matteson, James A. (See Woodward, Gillman, assignor.)					
159, 034	Matteson, James A., Johnston, R. I. Bolster for spinning-frames	Jan. 26, 1875	682	224	7	119
159, 695	Matteson, Leland and William, Rochester, Mich. Car-coupling	Feb. 9, 1875	429	143	7	252
	Matteson, William. (See Matteson, Leland and William.)					
	Matthewman, John. (See Johnson & Nettleton, assignors.)					
	Matthews & Co., John. (See Clinton, Henry E., assignor.)					
	Matthews, Charles G. (See Arants, John B., assignor.)					
170, 679	Matthews, Cyrus W., Jacksonville, Ill. Rail-holder	Dec. 7, 1875	24	8	8	954
167, 552	Matthews, Elias E., Muncie, Ind. Corn-planter	Sept. 7, 1875	152	47	8	427
159, 431	Matthews, John, New York, N. Y. Soda-fountain	Feb. 2, 1875	171	58	7	508
159, 432	Same..... Fountain for soda-water	Feb. 2, 1875	172	59	7	208
159, 433	Same..... Vessel for containing gases and liquids under pressure	Feb. 2, 1875	173	59	7	508
168, 268	Same..... Manufacture of beer and ale	Sept. 28, 1875	848		8	549
168, 269	Same..... Aerated sea-water	Sept. 28, 1875	849		8	549
	Matthews, Lee B. (See Berney, Franklin R., assignor.)					
170, 634	Matthiessen, Conrad H., Odell, Ill. Open thill	Nov. 30, 1875	1302	411	8	938
	Matthiessen, F. O. (See Dinkel, George, assignor.)					
	Matthiessen, F. O., et al. (See Langen, Eugen, assignor.)					
6, 378	Matthiessen, Franz O., New York, N. Y. Refining sugar (Reissue.)	Apr. 13, 1875	497		7	648
6, 413	Same..... Process of manufacturing hard sugar (Reissue.)	May 4, 1875	247		7	780

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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100, 928	Matthiessen, Franz O., New York, N. Y. Refining sugar	Mar. 16, 1875	632		7	453
161, 253	Matthiessen, Franz O., Jersey City, N. J. Retort for burning or revivifying charcoal	Mar. 23, 1875	945	368	7	503
161, 424	Same..... Manufacturing hard sugar	Mar. 30, 1875	1122		7	533
102, 242	Matthiessen, Franz O., New York, N. Y. Refining sugar	Apr. 20, 1875	606		7	669
162, 243	Same..... Process of refining sugar	Apr. 20, 1875	607		7	669
162, 241	Same..... same	Apr. 20, 1875	607		7	669
162, 245	Same..... same	Apr. 20, 1875	608		7	669
163, 092	Same..... Apparatus for molding and liquoring sugar	May 11, 1875	348	113	7	800
163, 093	Same..... Apparatus for refining sugar	May 11, 1875	349	114	7	800
163, 094	Same..... same	May 11, 1875	350	114	7	800
166, 909	Matthiessen, Franz O., Irvington, N. Y. Centrifugal machine in sugar-manufacture	Aug. 24, 1875	604	249	8	338
167, 000	Same..... same	Aug. 24, 1875	605	250	8	338
167, 061	Same..... same	Aug. 24, 1875	606	250	8	339
169, 823	Same..... Process of refining sugar	Nov. 9, 1875	508		8	808
163, 246	Mattison, Charles Z., Saint Louis, Mo. Spinning-machine	Apr. 20, 1875	608	198	7	669
163, 424	Mattison, Seth A. (See Drake, Chester T., assignor.)					
163, 424	Mattison, William E., assignor to William E. Mattison and Edwin Galick, New Brunswick, N. J. Safety-seat for harvesters	July 13, 1875	292	87	8	55
159, 275	Mattson, Morris, New York, N. Y. Hook	Feb. 2, 1875	29	10	7	188
158, 383	Maughlin, Jos. S., and William C. Marr, Onawa, Iowa. Combined washing and wringing-machine	Jan. 5, 1875	27	9	7	12
167, 773	Maule, Francis I., Philadelphia, Pa. Pipe-cutter	Sept. 14, 1875	366	116	8	465
165, 610	Maurer, Andrew, Evansville, Ind. Corn-broom	July 13, 1875	457	139	8	80
168, 571	Maus, Charles, Danville, Pa. Car-coupling	Sept. 28, 1875	850	270	8	549
164, 383	Maus, Wendell, Cincinnati, Ohio. Extension-table	June 15, 1875	529	174	7	1022
	Mawhinney, Hugh H. (See Wiggins, John E., assignor.) (Reissue.)					
	Maxcy, Sanford N., et al. (See Luffman, Albion K. P., assignor.) (Reissue.)					
162, 840	Maxfield, Charles A., New York, N. Y. Paper-feeding apparatus	May 4, 1875	94	31	7	759
170, 485	Same..... Combined fire and burglar alarm	Nov. 30, 1875	1159	365	8	920
162, 400	Maxheimer, John, Brooklyn, N. Y. Bird cage	Apr. 20, 1875	756	246	7	687
	Maxim Gas Machine Company. (See Maxim, Hiram S., assignor.)					
160, 215	Maxim, Hiram S., Brooklyn, N. Y. Feed-water heater	Feb. 23, 1875	933	306	7	333
160, 216	Maxim, Hiram S., Brooklyn, assignor to the Maxim Gas Machine Company of New York, N. Y. Apparatus for manufacturing illuminating-gas from liquid hydrocarbon	Feb. 23, 1875	934	{ 306 307 }	{ 7 7 }	{ 333 333 }
161, 621	Maxim, Hiram S., assignor of one-half interest to Alonzo T. Welch, Brooklyn, N. Y. Liquid meter	Apr. 6, 1875	28	11	7	573
165, 744	Same..... Engine-governor	July 20, 1875	601	185	8	116
162, 399	Maxson, Erwin W., Nicholson, Pa. Washing-machine	Apr. 20, 1875	756	245	7	687
170, 635	Maxson, John, assignor to self, Morgan Maxson, and William D. Hunt, Scott, N. Y. Razor-strop	Nov. 30, 1875	1302	411	8	939
	Maxson, Morgan, et al. (See Maxson, John, assignor.)					
167, 404	Maxwell, George H., and James B. Peaster, Delhi, N. Y. Extension-table slide	Sept. 7, 1875	23	7	8	410
	Maxwell, James R. (See Cope & Maxwell)					
162, 180	Maxwell, James R., Hamilton and Charles A. Scott, Cincinnati, Ohio; said Maxwell assignor to said Scott. Clamping device	Apr. 20, 1875	548	180	7	662
161, 137	Maxwell-Lyte, Farnham, Paris, France. Process of manufacturing ammonia	Mar. 23, 1875	835		7	488
159, 945	Maxwell, Samuel F., Clifton, W. Va. Manufacture of nail-kegs	Feb. 16, 1875	677	224	8	290
	May & Withey. (See Winslow, James H., assignor.)					
	May, Charles. (See Scidler, George N., assignor.)					
6, 337	May, John M., Cedar Rapids, Iowa, assignor to Louis M. and Moses Rumsey, Saint Louis, Mo. Drill for well-boring	Mar. 16, 1875	660	227	7	462
168, 574	May, John M., Cedar Rapids, Iowa. Windmill	Oct. 11, 1875	259	84, 85	8	608
	May, Lyman A., et al. (See Smith, Aaron F., assignor.) (Reissue.)					
161, 805	May, Richard C., Sacramento, Cal. Brush and mop-holding device	Apr. 6, 1875	184	62	7	595
	Mayall Power Printing Press Company. (See Mayall & Hartnett, assignors.)					
6, 545	Mayall, Thomas J., Boston, Mass. Process for the manufacture of india-rubber hose	July 13, 1875	519		8	88
159, 696	Mayall, Thomas J., and Richard W. Hartnett, Boston, Mass., assignors to Mayall Power Printing Press Company, New York, N. Y. Stretcher for stereotype-matrices	Feb. 9, 1875	429	143	7	252
159, 916	Sarae..... Machine for shaving the backs of curved stereotype-plates	Feb. 16, 1875	677	225	7	290
159, 947	Same..... Drying apparatus for printing-presses	Feb. 16, 1875	679	225	7	290
	Mayer, Bernhard. (See Mayer, Loewenstein & Mayer.)					
158, 854	Mayer, Estom and William B., Freeport, Ill. Boiler for heating purposes	Jan. 19, 1875	483	162	7	107
171, 029	Mayer, George H., jr., Shamokin, Pa. Railway-rail	Dec. 14, 1875	352	117	8	1005
167, 348	Mayer, John, Buffalo, N. Y. Lamp	Aug. 31, 1875	1140	358	8	393
161, 139	Mayer, Meitz, New York, N. Y. Compound for scouring white goods	Mar. 23, 1875	837		7	488
160, 607	Mayer, Salomon, New York, N. Y. Apparatus for cutting goods on bias	Mar. 9, 1875	327	110	7	464
162, 841	Same..... Apparatus for cutting goods bias	May 4, 1875	95	31	7	759
	Mayer, Samuel B. (See Jaynes, John Q., assignor.)					
169, 714	Mayer, Siegfried W., Leopold Loewenstein, and Bernhard Mayer, New York, N. Y. Composition for varnish	Nov. 9, 1875	395		8	794
8, 494	Mayer, William, Brooklyn, N. Y. Leaf of albumin	July 20, 1875			8	95
	Mayer, William B. (See Mayer, Estom and William B.)					
167, 181	Mayes, Louis C., and James S. Murphy, Piney Creek, Pa. Car-coupling	Aug. 31, 1875	1000	311	8	373
164, 012	Mayfield, William D., Fort Worth, Tex. Smoothing and fluting iron	June 1, 1875	145	51, 52	7	951
163, 937	Mayhew, David P., Detroit, Mich. Gas-regulator	June 1, 1875	82	28	7	922
164, 384	Mayhew, Theophilus, Poughkeepsie, N. Y. Time-recording instrument	June 15, 1875	529	174	7	1042
	Maynard, C. G., et al. (See Schoonover, James S., assignor.)					
167, 849	Maynard, Charles A., Saint Louis, Mo. Fire-kindler	Sept. 21, 1875	447	142	8	485
171, 235	Maynard, Ezra, North Washington, Ohio. Whiffletree-hook	Dec. 21, 1875	578	190	8	1042
165, 602	Maynard, George C., Washington, D. C. Circuit for electric alarms	July 13, 1875	458	139	8	80
160, 109	Maynard, William C., Binghamton, N. Y. Attachment of mainsprings to arbors	Feb. 23, 1875	642	277	7	300
6, 317	Mayo, Charles H., assignor, by mesne assignments, to self, Edward Gove, and Edwin W. Marble, Bath, Me. Sawing machine	Mar. 2, 1875	231	79	7	362
	Mayo, Israel C. (See Davis, Frank E., assignor.)					
	Same..... (See Dowling, Thomas, assignor.)					
167, 772	Mayo, Matthias C., assignor to J. Gardner Weld, Boston, Mass. Carpenter's plane	Sept. 14, 1875	364	116	8	468
161, 438	Mayo, William H., Menasha, Wis. Clothes-pin	Mar. 23, 1875	836	272	7	488
6, 362	Mayor, Thomas, Providence, R. I. Roving-frame	Feb. 23, 1875	905	318	7	393
	Same..... Speeder	July 6, 1875	192	57	8	35
164, 467	Maze, Joseph A., Owingsville, Ky. Horse-detacher	June 15, 1875	608	197	7	1031
163, 745	McAlcer, George, Worcester, Mass. Folding rocking-chair	July 20, 1875	602	185	8	116
166, 121	Same..... same	July 27, 1875	924	304	8	180

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 015	McAleer, George, Worcester, Mass. Folding chair.	Oct. 19, 1875	668	219	8	675
169, 016	Same. . . . . same	Oct. 19, 1875	669	220	8	675
170, 873	McAleer, Philip, Washington, D. C. Paper-perforating machine.	Dec. 7, 1875	192	66	8	976
171, 030	McAllister, William, Lawrence, Mass. Fire-escape.	Dec. 14, 1875	352	117	8	1005
161, 048	McAnerney, James. (See Freeman, Barton, assignor.)					
	McArdle, James, assignor of one-half interest to Alvin C. Hamilton, Winona, Minn. Soda-cutter.	Mar. 23, 1875	745	245	7	477
160, 110	McAuliffe, John, New York, N. Y. Method of softening umbrella-ribs.	Feb. 23, 1875	843	277	7	320
170, 680	McBarnard, William, Clarksville, Iowa. Pump.	Dec. 7, 1875	25	8	8	954
170, 874	McBeau, John, Chicago, Ill. Stone pavement.	Dec. 7, 1875	192	66	8	976
166, 397	McBride, Thomas, Philadelphia, Pa. Hydraulic car-brake.	Aug. 3, 1875	198	59	8	227
169, 183	McBryde, Daniel S., Good Hope, Miss. Cotton-press.	Oct. 26, 1875	843	275	8	707
	McBurney, Maria, administratrix. (See McBurney, William H.)					
164, 749	McBurney, William H., deceased, by Maria McBurney, administratrix, Sacramento, Cal. } Hay, cotton, and wool press. . . . . }	June 22, 1875	865	{ 231 232 }	7	1075
	McCabe, Bernard J. (See Lord & McCabe.)					
164, 014	McCabe, James, Woodbury, Tenn. Reversible plow.	June 1, 1875	146	52	7	951
161, 425	McCabe, Thomas, Ottawa, Canada. Hose-carriage.	Mar. 30, 1875	1123	{ 362 363 }	7	533
	McCadden, Thomas P. (See Steel & McCadden.)					
170, 081	McCaffery, Thomas, San Francisco, Cal. Thill-coupling.	Dec. 7, 1875	26	8	8	954
170, 637	McCaffrey, John, jr., assignor of one-third interest to Samuel M. Steadman, Lawrence, Mass. Stop-motion fork for looms.	Nov. 16, 1875	681	214	8	839
162, 401	McCahan, George L., Baltimore, Md. Steam-engine governor.	Apr. 20, 1875	757	246	7	687
168, 760	Same. . . . . Feed-water heater.	Oct. 11, 1875	425	139	8	633
160, 535	McCall, Abijah, Saratoga, and James T. Watkins and Jasper S. Scott, Santa Clara, Cal. Road-scraper.	Mar. 9, 1875	265	90	7	395
161, 622	McCall, Charles H. and James H., Morristown, Ohio. Sheep-shearing chair.	Apr. 6, 1875	29	12	7	573
162, 842	Same. . . . . Device to protect workmen from water while washing sheep.	May 4, 1875	96	31	7	759
	McCall, James H. (See McCall, Charles H. and James H.)					
164, 575	McCall, Mortimer, assignor of one-half interest to Job King, Buffalo, N. Y. Pencil-scraper.	June 15, 1875	697	227	7	1044
170, 095	McCall, William, San Francisco, Cal. Ore-roasting furnace.	Nov. 16, 1875	765	242	8	830
	McCalla, James H. (See Collins & McCalla.)					
	McCallum, Alpheus, et al. (See Cass, James F., assignor.)					
	McCallum, Hugh. (See Heald, Alfred, assignor.) . . . . . (Design.)					
	McCallum, Hugh, et al. (See Heald, Alfred, assignor.) . . . . . (Design.)					
	McCallum, James, et al. (See Cass, James F., assignor.)					
	McCallum, William. (See Heald, Alfred, assignor.) . . . . . (Design.)					
	McCallum, William, et al. (See Heald, Alfred, assignor.) . . . . . (Design.)					
	McCallum, William A., et al. (See Dickerson, Samuel H., assignor.)					
	McCambridge, Richard. (See Moore, George R., assignor.)					
	McCamish, Albert. (See Taylor & McCamish.)					
	McCann, Charles. (See Hellen, William F., assignor.)					
161, 696	McCarter, James, Frankfort, Ind. Tugue-support for vehicles.	Apr. 6, 1875	91	32	7	582
161, 345	McCarty, Harry C., and Edward Glenn, Renovo, Pa. Freight-car door.	Mar. 30, 1875	1045	340	7	524
170, 636	McCarty, Michael, Pueblo, Colo. Portable hay-press.	Nov. 30, 1875	1303	411	8	939
158, 645	McCarty, Peter, Fairfield, Iowa. Railway-rail-joint-fastening.	Jan. 12, 1875	277	93	7	63
162, 086	McCauley, George W., Pleasant Plains, Ark., and William L. Crowson, Memphis, Tenn. Cotton-cleaner.	Apr. 13, 1875	440	116	7	641
162, 181	McCauley, Reuben A., Baltimore, Md. Pump.	Apr. 20, 1875	549	180	7	662
163, 095	Same. . . . . Sewage apparatus.	May 11, 1875	351	{ 114 115 }	7	801
171, 577	McCausland, John, Providence, R. I. Paper cop-tubo.	Dec. 28, 1875	908	297	8	1096
164, 196	McCausland, William I., Louisville, Ky. Fluting and polishing iron.	June 8, 1875	324	114	7	987
161, 606	McCbesney, Martin H., Pontiac, Mich. Key-board for musical instruments.	Apr. 6, 1875	185	63	7	595
	McClain, Edwin C. (See McEly & McClain.)					
166, 881	McClain, Edwin C., Bloomington, Ill. Ironing-table.	Aug. 17, 1875	677	210	8	312
165, 012	McClarty, John, Racine, Wis. Apparatus for manufacturing illuminating-gas from petroleum.	June 29, 1875	1123	362	7	1115
160, 111	McClagherty, William H., Seguin, Tex. Cotton scraper and chopper.	Feb. 23, 1875	843	278	7	320
162, 844	McCleau, Oscar R., New Orleans, La. Bale-tie.	May 4, 1875	98	32	7	760
	McCleary, James S. (See Humphreys & McCleary.)					
169, 365	McClellan, James M., Philadelphia, Pa. Wire fence.	Nov. 2, 1875	45	13	8	741
161, 346	McClelland, Robert W., Cerro Gordo, Ill. Wagon-body.	Mar. 30, 1875	1046	340	7	524
161, 347	Same. . . . . Wagon-standard.	Mar. 30, 1875	1047	341	7	524
161, 348	Same. . . . . Fifth-wheel for carriages.	Mar. 30, 1875	1047	341	7	524
162, 670	Same. . . . . Body-loop.	Apr. 27, 1875	1040	336	7	728
161, 623	McClelland, William, sr., Fowler, Ill. Draft-equalizer.	Apr. 6, 1875	30	12	7	573
	McClenathan, Martin. (See Webster, Dorr & McClenathan.)					
163, 599	McClevy, Smith, Chicago, Ill. Swing.	May 25, 1875	852	269	7	889
	McClintock, James R. (See Lee, Archibald K., assignor.)					
163, 222	McClintock, James R., New Orleans, La. Composition for paving and roofing.	May 11, 1875	467	149	7	815
163, 223	Same. . . . . same	May 11, 1875	467	149	7	815
165, 603	McClintock, William A., Pittsfield, Ill. Seed-drill.	July 13, 1875	459	140	8	80
161, 534	McCloskey, John, New York, assignor of one-third interest to Deborah C. Folk, Brooklyn, N. Y. Sewing-machine for stitching button-holes, &c.	Mar. 30, 1875	1228	{ 395 396 }	7	547
163, 337	McCloskey, John, New York, N. Y. Mechanical movement.	Oct. 5, 1875	18	7	8	567
168, 575	Same. . . . . same	Oct. 11, 1875	260	85	8	608
161, 349	McClosky, John, Cornersville, Ind. Rotary blower.	Mar. 30, 1875	1048	311	7	524
	McClond, William. (See Moore & McClond.)					
169, 462	McClung, Richard L., La Fayette, Tex. Cotton scraper, chopper, and cultivator.	Nov. 2, 1875	128	40	8	752
167, 774	McClure, Jacob W., assignor of one-half interest to William H. Garrett, Saint Louis, Mo. Churn.	Sept. 14, 1875	367	116	8	465
158, 597	McClure, Pattison F., Junction City, Kans. Car-coupling.	Jan. 12, 1875	234	79	7	57
160, 833	McClure, Robert G., Jamestown, Ohio. Wardrobe-bedstead.	Mar. 16, 1875	554	179	7	442
169, 651	McClurg, Joseph, Pittsburgh, Pa. Desk.	Nov. 9, 1875	320	104	8	786
165, 847	McClymonds, James H., Winchester, Ky. Door-check.	July 20, 1875	769	216	8	130
170, 875	Same. . . . . Machine for setting carriage-bows.	Dec. 7, 1875	193	66	8	976
160, 608	McColl, Mary J., Hoboken, N. J. Manufacture of sheet-wax for flowers.	Mar. 9, 1875	327	110	7	405
	McColum, John, deceased. (See Parr, Joseph, assignor.)					
	McColum, Lydia A., executrix. (See Parr, Joseph, assignor.)					
	McColum, Walter. (See Curtis, Mosely S., assignor.)					
	McComb, J. J., Liverpool, England. Iron tie for cotton-bales. . . . . (Extension)	Jan. 28, 1875	92	32	7	303
161, 697	McConaughy, Thomas B., Newark, Del. Ore-separator.	Apr. 6, 1875	92	32	7	582

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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168, 039	McConnell, George, Oconto, Wis. Sleigh.....	Sept. 21, 1875	610	196	8	509
	McConnell, George W. (See Thompson, Harry, assignor.)					
	McConnell, James H. (See Tamer, William, assignor.)					
160, 217	McConnell, Robert, Pittsburgh, Pa. Scroll-sawing machine.....	Feb. 23, 1875	935	307	7	333
162, 486	McConway, William, assignor to self, John J. Torley, John Heath, and William Dillworth, jr., Pittsburgh, Pa. Fastening for hasps.....	Apr. 27, 1875	859	276	7	708
	McCook, Alexander M. (See Chambers & McCook.)					
	McCord, B. R. et al. (See Donnellan, Charles E., assignor.)					
170, 008	McCormack, James, Greenfield, Ohio, and Sylvester R. Kelly, Baltimore, Md. Steam-pump.....	Nov. 16, 1875	682	214	8	839
	McCormick, C. H., et al. (See Baker, William R., assignor.)					
164, 013	McCormick, James, Peoria, Ill. Corn-harrow.....	June 1, 1875	146	52	7	951
171, 339	McCormick, James F., Philadelphia, Pa. Mechanical movement.....	Dec. 21, 1875	729	229	8	1062
171, 299	McCormick, John R., Georgetown, Tex. Gang-plow.....	Dec. 21, 1875	637	209	8	10 0
164, 015	McCormick, Joseph J., assignor to Bentley C. Bibb, Baltimore, Md. Magazine fire-place stove.....	June 1, 1875	147	53	7	951
170, 388	McCormick, Leander J. Harvester.....	Nov. 23, 1875	1053	{ 330 331	8	897
	McCormick, L. J., et al. (See Baker, William R., assignor.)					
166, 020	McCormick, Robert H., and William R. Baker, Chicago, Ill.; said Baker assignor to said McCormick. Wrench.....	July 27, 1875	884	273	8	166
168, 271	McCormick, Robert H., Chicago, Ill. Harvester.....	Sept. 28, 1875	851	271	8	549
168, 040	McCormick, William H., assignor to self and George W. Scitz, Muncie, Ind. Combined gate-hinge and closing-rod.....	Sept. 21, 1875	611	196	8	509
162, 402	McCoy, Eugene, and Oliver M. Harper, Owatonna, Minn. Pump.....	Apr. 20, 1875	758	246	7	687
165, 746	McCoy, John. (See Roberts, Matthew H., assignor.)					
	McCoy, William H., Des Moines, Iowa. Sun-dial.....	July 20, 1875	603	185	8	339
	McCray, A. P. (See Cox, Daniel, assignor.)					
167, 002	McCray, William, Black Oak, Mo. Combined harrow and cultivator.....	Aug. 24, 1875	807	251	8	339
158, 958	McCrosson, William, assignor to S. C. Bachman, Philadelphia, Pa. Combined drill, countersink, and planer.....	Jan. 19, 1875	586	194	7	119
159, 948	Same. .... Bit for boring metals.....	Feb. 16, 1875	681	225	7	290
	McCrum, John S., et al. (See Dewitt, James, assignor.)					
	McCulloch, David D. L. (See Cole & McCulloch.)					
160, 112	McCulloch, James, Kingston, Pa. Dumping-cage for elevators.....	Feb. 23, 1875	845	272	7	320
	McCulloch, John. (See Linsley, McCulloch & Clement.)					
158, 428	McCullough, James, Aspinwall, Nebr. Ruffler.....	Jan. 5, 1875	65	23	7	18
162, 085	McCullough, Lewis H., Richmond, Ind., and Charles Anderson, Cincinnati, Ohio, assignors to National Fire Alarm Company, Richmond, Ind. Fire-alarm box.....	Apr. 13, 1875	439	146	7	640
158, 596	McCune, Joseph B., assignor to Richard M. Wantzer, Hamilton, Canada. Sewing-machine.....	Jan. 12, 1875	234	79	7	57
169, 716	McCune, William H., assignor to Pittsburgh Steel Casting Company, Pittsburgh, Pa. Plow.....	Nov. 9, 1875	296	124	8	794
158, 724	McCurdy, David, Ottawa, Ohio. Car-coupling.....	Jan. 12, 1875	345	117	7	72
162, 844	McCurdy, James, Lock Haven, Pa. Pantaloon-bleck.....	May 4, 1875	47	32	7	760
158, 855	McCurdy, John, Smicksburgh, Pa. Axle for vehicles.....	Jan. 19, 1875	454	162	7	147
164, 649	McDaniel, Delaplaine, Philadelphia, Pa. Roofing material.....	June 22, 1875	866	282	7	1075
164, 853	McDaniel, Francis, Philadelphia, Pa. Fountain-brush.....	June 22, 1875	961	311	7	1 87
159, 949	McDermott, Charles, Oakland Station, Ark. Iron wedge.....	Feb. 16, 1875	682	236	7	290
165, 214	McDermott, Edward, Minneapolis, Minn. Pump.....	July 6, 1875	95	28	8	22
163, 246	McDermott, Martin, Galveston, Tex. Pile-driver.....	May 11, 1875	469	152	7	816
	McDevitt, Bernard. (See Lake & McDevitt.)					
169, 341	McDevitt, Martin, Hampton, Va. Fruit-gatherer.....	Mar. 2, 1875	76	27	7	359
162, 671	Same. .... Tull-coupling.....	Apr. 27, 1875	1020	327	7	729
168, 166	McDonald, Alexander, Halifax, Canada. Pipe-tongs.....	Sept. 28, 1875	761	241	8	537
162, 845	McDonald, Allan L., Gloucester, Mass. Trawl-roller.....	May 4, 1875	99	32	7	760
167, 185	McDonald, Andrew Y., Dubuque, Iowa. Fence-post.....	Aug. 31, 1875	1060	311	8	373
	McDonald, Hiram, Shotstville, N. Y. Wood-bending machine..... (Extension)	Jan. 21, 1875			7	222
	McDonald, Hugh, et al. (See Morgan, Theophilus D., assignor.)					
158, 429	McDonald, Lucius P., Belfast, Me. Garter.....	Jan. 5, 1875	66	23	7	18
162, 335	McDonald, Thomas E., New Brunswick, N. J. Wringer.....	May 4, 1875	183	60	7	771
	McDonel, George H. (See Thornton, McDonel & Hale.)					
163, 389	McDonough, James W., Chicago, Ill. Reclining-chair.....	May 18, 1875	641	205	7	851
165, 454	McDonough, Thomas, assignor of one-fourth interest to E. K. Walbridge, Ottawa, Ill. Harvester-dropper.....	July 13, 1875	326	95	8	60
166, 213	McDonough, Thomas, Mont Clair, assignor of two-thirds interest to William F. Dodge, and George R. Dunn, Newark, N. J. Car-starter.....	Aug. 3, 1875	27	9	8	203
	McDougall, Lachan H. (See Richey & McDougall.)					
166, 933	McDowell, Alex., Lawrence, Mass. Heel-trimming machinery.....	Aug. 24, 1875	736	228	8	329
158, 745	McDowell, Malcom, Ravenswood, Ill. Metal plow-beau.....	Jan. 12, 1875	346	117	7	72
164, 854	McDowell, Philip L., Kenton, Ohio. Machine for cutting fats for rendering.....	June 22, 1875	962	{ 311 312	7	1087
	McDowell, Samson. (See Redfern, Alfred, assignor.)..... (Design.)					
8, 216	McDowell, Samson, Philadelphia, Pa. Carpet..... (Design.)	Mar. 23, 1875			7	466
162, 487	McDowell, William L., Philadelphia, Pa. Grate for ranges and stoves.....	Apr. 27, 1875	860	276	7	708
170, 876	Same. .... Stand for water-coolers, &c.....	Dec. 7, 1875	194	67	8	977
171, 151	McElney, William B., assignor of one-half interest to Beecher Manufacturing Company, West Meriden, Conn. Die for forging carriage-shaft eyes.....	Dec. 14, 1875	474	155	8	1021
160, 450	McElrath, Andrew, New York, N. Y. Shoe-brush.....	Mar. 2, 1875	176	61	7	373
171, 400	McElroy, John H., and Robert Young, Pittsburgh, Pa. Method of treating natural gas.....	Dec. 21, 1875	729		8	1062
164, 855	McElroy, Josiah B., Charlestown, W. Va. Belt-fastener.....	June 22, 1875	965	312	7	1088
167, 680	McEntire, Richard S., Burlington, Iowa. Sofa-bedstead.....	Sept. 14, 1875	277	87	8	452
160, 273	McEwan, George, and Charles O. Gibson, Derby Line, Vt. Milk-cooler.....	Mar. 2, 1875	17	7	7	351
161, 621	McEwan, James, Chicago, Ill. Sewing-machine caster.....	Apr. 6, 1875	31	12	7	573
163, 224	McEy, Thomas F., Franklin, Ind. Door-sill.....	May 11, 1875	468	151	7	816
163, 225	McEy, Thomas F., and Edwin C. McClain, Franklin, Ind. Sad-iron.....	May 11, 1875	468	151	7	816
158, 959	McFadden, Catharine, Oswego, N. Y. Knitting-satchel.....	Jan. 19, 1875	587	195	7	119
164, 818	McFadden, Patrick, Philadelphia, Pa. Bridle-winker.....	June 8, 1875	454	150	7	1003
165, 848	Same. .... Cart-saddle.....	July 29, 1875	709	216	8	139
	McFadden, William C. (See Madden, Michael, assignor.)					
161, 251	McFarland, Nathaniel S., New York, N. Y. Coffee-pot.....	Mar. 23, 1875	946	308	7	503
163, 562	Same. .... Spout for coffee-pots.....	May 18, 1875	746	237	7	868
161, 555	McFarland, William, Trenton, N. J. Hot-air furnace.....	Mar. 30, 1875	1229	396	7	547
	McFarlane, James. (See Fitzinger, Alexander H., assignor.)					
	McFaul, William. (See Seddon & McFaul.)					

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. P.	Vol.	Page.
170, 753	McGaffey, Ives W., Chicago, Ill. Nozzle for hose.....	Dec. 7, 1875	91	29	8	962
162, 428	McGaley, Henry, and James King, Cambridge, Mass. Curtain-fixture.....	Apr. 27, 1875	861	276	7	709
168, 761	McGann, Thomas F., Boston, Mass. Gas-shade supporter.....	Oct. 11, 1875	426	135	8	633
162, 672	McGarrah, Daniel E., Rosmond, Ill. Bale-band tightener.....	Apr. 27, 1875	1021	327	7	729
159, 594	McGarvey, Michael. (See Van Wormer & McGarvey)..... (Design.)					
160, 113	McGavin, John, New York, N. Y. Grading apparatus.....	Feb. 9, 1875	339	113	7	239
	McGavin, John, New York, N. Y., assignor to Isaac S. Van Deusen, Passaic, N. J. Apparatus for stamping embroidery-patterns.....	Feb. 23, 1875	846	278	7	321
163, 000	McGee, J. L. (See Ewing, James M., assignor.)					
160, 929	McGeorge, Frank H., Corning, N. Y. Gas-burner.....	May 25, 1875	853	269	7	889
8, 258	McGhee, William T., Wheeling, Mo., assignor to self and James C. Gish and William W. Edgerton, Harrow.....	Mar. 16, 1875	633	207	7	453
8, 309	McGill, George W., New York, N. Y. Clip or fastener for suspending cards. (Case A. Design.)	Apr. 6, 1875			7	564
159, 595	Same..... same..... (Case B. Design.)	May 4, 1875			7	742
162, 182	Same..... Corset-steel.....	Feb. 9, 1875	340	113	7	239
162, 183	Same..... Paper-fastener.....	Apr. 20, 1875	550	180	7	662
162, 184	Same..... Metallic paper-fastener.....	Apr. 20, 1875	550	180	7	662
162, 185	Same..... Metallic fastener.....	Apr. 20, 1875	551	181	7	662
166, 934	Same..... Suspending-ring or fastener.....	Apr. 20, 1875	552	181	7	662
	Same..... Pencil.....	Aug. 24, 1875	737	228	8	329
170, 069	McGill, James. (See Richmond, Ryan & McGill.)					
160, 834	McGill, John W., Brooklyn, N. Y. Metallic endless paper-fastener.....	Nov. 16, 1875	683	214	8	839
166, 794	McGill, William C., Washington, D. C. Sheet-metal box.....	Mar. 16, 1875	554	180	7	442
	Same..... Fare-box.....	Aug. 17, 1875	592	182	8	300
168, 767	McGilvary, William. (See Stevenson, William M., assignor.)					
168, 162	McGinnis, Leouidas H., Woodstock, Va. Harrow.....	Oct. 11, 1875	427	139	8	633
168, 767	McGlew, Patrick, Des Moines, Iowa. Whiffletree.....	Sept. 28, 1875	761	241	8	537
168, 041	McGlothlen, Charles L. (See McGlothlen, George H. and Charles L.)					
164, 319	McGlothlen, George H. and Charles L., Clarinda, Iowa. Car-coupling.....	Sept. 21, 1875	612	196	8	510
	McGoekiu, Dennis H., Philadelphia, Pa. Spike-machine.....	June 8, 1875	454	150	7	1003
	McGovern, George W. (See Cosby & McGovern.)					
165, 013	McGovern, Joseph, Modesto, Cal. Windmill.....	June 29, 1875	1124	363	7	1115
164, 317	McGowan, John, New York, N. Y. Skirt.....	June 8, 1875	453	149	7	10 2
166, 585	McGowan, Thomson, Meredith, Pa. Distillation of hydrocarbon oils.....	Aug. 3, 1875	94	29	8	212
167, 265	McGrann, Bernard, and John Solis, New York, N. Y. Combined cistern-valve and overflow-pipe.....	Aug. 31, 1875	1067	333	8	382
6, 262	McGrath, Thomas F. (See Steventon & McGrath.)					
160, 933	McGraw, Henry, Detroit, Mich. Lubricator..... (Reissue.)	Jan. 5, 1875	184	64	7	35
6, 693	McGraw, William A., Baltimore, Md. Brush.....	Mar. 16, 1875	637	208	7	453
170, 287	McGregor, George, and George Voll, Cincinnati, Ohio, assignors, by mesne assignments, to Hopkins & Dickinson Manufacturing Company, New York, N. Y. Sash-lock. (Reissue.)	Oct. 11, 1875	485	158	8	641
170, 096	McGregor, John, Princeville, Ill. Corn-marker.....	Nov. 23, 1875	962	301	8	884
170, 682	McGregor, William H. (See Westcott & McGregor.)					
	McGrew, William H., and Charles A. Clark, Saint Louis, Mo. Self-closing pitcher.....	Nov. 13, 1875	706	243	8	850
	McGugin, David, Jasper R. Lybarger, and Francis M. Hibbets, Knox County, Ohio. Cleaning compound.....	Dec. 7, 1875	97		8	954
160, 930	McGuire, Francis, Toronto, Canada. Boiler-feeder.....	Mar. 16, 1875	634	207	7	453
162, 403	McGuire, John, New Haven, Conn. Sewer-inlet trap.....	Apr. 20, 1875	759	246	7	687
171, 152	McGuire, Thomas D., Brooklyn, N. Y. Machinery for making cigar-molds.....	Dec. 14, 1875	475	153	8	1021
159, 107	McHarg, John B., Rome, N. Y. Toy cartridge-exploder.....	Jan. 26, 1875	745	245	7	148
163, 023	Same..... Toy gun.....	May 11, 1875	283	92	7	792
168, 168	McHelm, James M., Carlisle, Ky. Ash-pan.....	Sept. 24, 1875	762	241	8	537
165, 604	McHenry, John, Cincinnati, Ohio. Fire-place.....	July 13, 1875	459	140	8	80
162, 404	McHugh, Hugh, New Bedford, Mass. Passe-partout base for gilding.....	Apr. 20, 1875	759		7	687
161, 625	McInnes, John, Jersey City Heights, N. J. Liquid-measure.....	Apr. 6, 1875	31	12	7	573
168, 656	McInnes, John H., San Francisco, Cal. Slotted framing-square.....	Oct. 11, 1875	337	109	8	620
161, 140	McIntire, Richard B., East Boston, N. Y. Means for hanging rudders.....	Mar. 23, 1875	837	273	7	488
	McIntire, William C. (See Casilaer & McIntire.)					
	McIntosh, Charles. (See Nellis, James, assignor.)					
	McIntyre, John H., et al. (See Piehl, John F., assignor.)					
	McIntyre, Robert. (See Martin, Gratia, assignor.)					
166, 541	McKaig, Merwin, and Walter J. Muncaster, Cumberland, Md. Portable steam-engine.....	Aug. 10, 1875	345	166	8	256
161, 255	McKanna, Robert A., Elliston, Ill., assignor of two-thirds interest to John and George Dalton. Car-coupling.....	Mar. 23, 1875	946	308	7	503
	McKay, Angus, et al. (See McKervey, Hugh F., assignor.)					
	McKay, Gordon. (See Blake & McKay.)					
	McKay, Gordon, trustee. (See Dunbam, Henry, jr., assignor)..... (Reissue.)					
159, 339	McKay, Gordon, Cambridge, and Hadley P. Fairfield, Boston, Mass.; said Fairfield assignor to said McKay. Machine for burnishing boots and shoes.....	Feb. 2, 1875	91	32	7	196
6, 535	McKay, Gordon, Cambridge, and Robert H. Mathies, Boston, Mass., assignor, by mesne assignments, to Gordon McKay, trustee. Sewing-machine..... (Reissue.)	July 6, 1875	259	{ 77 } { 78 } { 79 }	8	43
162, 087	McKay, Gordon, Cambridge, Mass. Metallic fastening for the soles of boots and shoes.....	Apr. 13, 1875	440	147	7	641
166, 795	McKay, Gordon, Cambridge, Hadley P. Fairfield, Boston, and Charles W. Glidden, Lynn, assignors to James W. Brooks, trustee, Boston, Mass. Machine for attaching and trimming becls.....	Aug. 17, 1875	593	{ 183 } { 184 }	8	300
167, 349	McKay, Gordon, Cambridge, Mass. Metallic strip for shoe-nails.....	Aug. 31, 1875	1141	359	8	393
169, 463	McKay, Gordon, Cambridge, and Hadley P. Fairfield, Boston, Mass. Machine for uniting the uppers and soles of boots and shoes.....	Nov. 2, 1875	128	41	8	752
171, 300	Same..... Boot and shoe nailing machine.....	Dec. 21, 1875	637	209	8	1050
163, 503	McKay, John, Newcastle-on-Tyne, England. Drilling apparatus.....	May 18, 1875	747	237	7	868
167, 003	McKay, William W., Ossian, Iowa. Automatic gate.....	Aug. 24, 1875	808	251	8	339
	McKee & Brothers. (See Reid, Peter W., assignor.)					
	McKee, James W. (See Hallam & McKee)..... (Reissue.)					
	McKee, Joseph D. (See Byrom & Clewley, assignors.)					
171, 301	McKee, William J., Pittsburgh, Pa. Shoe fastening.....	Dec. 21, 1875	639	209	8	1050
162, 406	McKeen, Jonathan L., Acworth, N. H. Road-scraper.....	May 4, 1875	99	32	7	760
162, 513	McKeena, William S., assignor of one-half interest to John C. Ridgway, Pittsburgh, Pa. Annealing-furnace.....	Oct. 5, 1875	176	57	8	589
162, 936	McKenny, Almacron, Berlin, Wis. Stump-extractor.....	May 4, 1875	184	61	7	771
162, 937	Same..... same.....	May 4, 1875	186	61	7	771

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 186	McKenney, James F., Amsterdam, N. Y. Steam-heater.....	Aug. 31, 1875	1001	311	8	373
167, 553	McKenney, Louis W., Jersey City, N. J. Propelling mechanism for canal-boats.....	Sept. 7, 1875	153	47	8	428
139, 930	McKenney, Samuel S., <i>et al.</i> (See Reeder, Albert, assignor.)					
6, 397	McKenzie, Alexander, assignor of one-half interest to William Earp, Philadelphia, Pa. Method of manufacturing carriage-shackles.....	Feb. 16, 1875	C82	226	7	290
169, 562	McKenzie, Duncan, Brooklyn, N. Y. Laker's oven..... (Reissue)..	Apr. 20, 1875	826	246	7	696
171, 631	McKenzie, Hugh, Oronoco, Minn. Fence-post support.....	Nov. 2, 1875	222	73	8	765
163, 674	McKenzie, James A., Minneapolis, Minn. Dulcimer and similar musical instruments.....	Dec. 14, 1875	253	118	8	1605
169, 563	McKenzie, Kenneth, Hamilton, Canada. Apparatus for cutting out garments.....	May 25, 1875	911	250	7	897
168, 841	McKervev, Hugh F., assignor to self, Angus McKay, and Charles S. Ramsay, Cheboygan, Mich. Car-coupling.....	Nov. 2, 1875	823	73	8	765
169, 824	McKibben, John, Lima, Ohio. Halter and bridle.....	Oct. 19, 1875	508	167	8	653
160, 451	McKiernao, Christopher. (See King & McKiernan.)					
170, 877	McKim, George W., Martin's Ferry, Ohio. Metallic cask.....	Nov. 9, 1875	509	159	8	868
165, 014	McKinley, Walter, assignor to George Kiser, Tremont, Ohio. Lamp-burner.....	Mar. 2, 1875	176	61	7	374
164, 016	McKinley, William, Bellaire, Ohio. Reciprocating churo.....	Dec. 7, 1875	195	67	8	977
162, 489	McKinney, Henry D., Jaunesville, Wis. Toe-weight and quarter-boot attachment for horses.....	June 29, 1875	1125	363	7	1116
170, 097	McKinnon, Cameron, Midway, Ala. Lamp.....	June 1, 1875	150	53	7	951
168, 042	McKinnon, James J., San Francisco, Cal. Potato-digger.....	Apr. 27, 1875	802	277	7	709
171, 578	McKinnon, William, <i>et al.</i> (See Boyd, John, assignor.)					
171, 401	McKissock, Samuel, Allegheny, Pa. Carburetor.....	Nov. 16, 1875	767	243	8	870
6, 203	McKnight, Alexander C., Philadelphia, Pa. Screw-pegging machine.....	Sept. 21, 1875	613	197	8	510
171, 401	McKnight, Charles G., <i>et al.</i> (See Olmsted, Joseph, assignor.)					
171, 578	McKnight, William, Troy, Ohio. Gas-generator.....	Dec. 28, 1875	969	297	8	1096
171, 401	McKown, Alexander W., Honesdale, Pa. Wagon-spring.....	Dec. 21, 1875	730	259	8	1062
170, 683	McLanahan, J. King, Hollidaysburgh, Pa. Lubricating wheel and pulley..... (Reissue)..	Jan. 5, 1875	185	64	7	35
171, 153	McLae, Charles A. (See Pearson, Thomas T., assignor.)					
8, 380	McLaren, James, Albany, N. Y. Combination of lathes, planers, and drilling-machines..	Dec. 7, 1875	27	8	8	954
168, 657	McLaughlin, Arthur, Cambridge, Mass. Child's-carriage-handle socket.....	Dec. 14, 1875	476	155	8	1021
8, 666	McLaughlin, Daniel, assignor to Belknap Manufacturing Company, Bridgeport, Conn. Hand-wheel of valves..... (Design)..	June 8, 1875			7	968
166, 398	McLaughlin, George T., <i>et al.</i> (See Crockett, Samuel J., assignor.)					
166, 398	McLaughlin, James, New York, N. Y. Compression-cock.....	Oct. 11, 1875	338	110	8	620
162, 847	McLaughlin, Sallie, assignor to Edward H. Godshalk, Philadelphia, Pa. Dress-trimming..... (Design)..	Oct. 5, 1875			8	560
159, 697	McLauriblin, George T., Boston, Mass. Steam-generator.....	Aug. 3, 1875	199	59, 60	8	227
170, 010	McLean, B. F. (See Hubbard, Horace J., assignor.)					
8, 669	McLean, Donald M., Gloucester, Mass. Pot and kettle.....	May 4, 1875	100	33	7	700
159, 697	McLean, John. (See Titus, Josiah B., assignor.)					
170, 010	McLean, William H., Moberly, Mo. Car-replacer.....	Feb. 9, 1875	430	144	7	252
8, 669	McLeod, Charles, <i>et al.</i> (See Batchelder, Edwin R., assignor.)					
159, 596	McLeod, Charles A. (See Bussey, Esek, assignor.)..... (Reissue.)					
167, 921	McLeod, Peter M., Sun Prairie, Wis. Corn-cutter.....	Nov. 16, 1875	684	214	8	839
166, 214	McLewee, Frederick, New York, N. Y. Illuminating-sign..... (Design)..	Sept. 28, 1875			8	521
160, 274	McLewee, Frederick, New York, N. Y. Illuminating-sign..... (Design)..	Feb. 9, 1875	940	113	7	240
160, 274	McLewee, Frederick, New York, N. Y. Illuminating-sign..... (Design)..	Sept. 21, 1875	505	161	8	494
160, 274	McLewee, Frederick, New York, N. Y. Illuminating-sign..... (Design)..	Aug. 3, 1875	27	9	8	203
160, 274	McMahon, James F., and Samuel Tracy, Oxford, Ohio. Organ-stop action.....	Mar. 2, 1875	18	7	7	351
160, 274	McMahon, Alexander C., San Francisco, Cal. Connection for bed-bottom springs.....	Nov. 20, 1875	1249	393	8	931
160, 931	McMaster, Joseph M., Rochester, N. Y. Sad-iron.....	Mar. 16, 1875	635	207	7	453
169, 184	McMeekin, Thomas G. W., and William W. Hunt, Cedartown, Ga. Cotton-press.....	Oct. 26, 1875	844	275	8	707
169, 185	McMeekin, Thomas G. W., and William W. Hunt, Cedartown, Ga. Cotton-press.....	Oct. 26, 1875	845	275	8	707
159, 108	McMillan, Angus. (See Gribbin & McMillan.)					
171, 236	McMillan, Duncan D., La Crosse, Wis. Self-regulating gas-burner.....	Jan. 26, 1875	746	246	7	148
164, 856	McMillan, George, La Crosse, Wis. Gas-regulator.....	Dec. 21, 1875	579	190	8	1042
164, 856	McMillan, John H. (See Potter, Albert H., assignor.)					
164, 856	McMillan, William H., Philadelphia, Pa. Hydrant.....	June 22, 1875	966	312	7	1088
164, 856	McMillin, John W. (See Creckmore & McMillin.)					
164, 856	McMinn, William G. (See Kimber, Abraham, assignor.)					
164, 856	McMullen, George. (See Blackford & McMullen.)					
163, 675	McMurray, John P., Oregon, Mo. Sliding gate.....	May 25, 1875	912	290	7	897
171, 625	McMurray, Louis, Baltimore, Md. Soldering apparatus.....	Dec. 2, 1875	968	313	8	1103
164, 468	McMurray, Robert, Brooklyn, N. Y. Cylinder for paper-making machines.....	June 15, 1875	609	197	7	1031
163, 676	McMurtine, William, and Benjamin Chambers, jr., Washington, D. C. Process of rendering artificial stone impervious to moisture and preventing efflorescence thereon.....	May 25, 1875	912		7	897
159, 951	McNab and Harlin Manufacturing Company. (See Hyde, James P., assignor.)					
164, 017	McNabb, James, assignor to self, Joseph Blakeley, and Sylvanus Cornell, Widder Station, Canada. Mechanism for trimming ships.....	Feb. 16, 1875	683	226	7	291
8, 249	McNabb, James, assignor to self and Sylvanus Cornell, Widder Station, Canada. Car-coupling.....	June 1, 1875	151	53	7	951
8, 250	McNair, David, assignor to the Lowell Manufacturing Company, Lowell, Mass. Car-pet..... (Design)..	Mar. 30, 1875			7	516
8, 602	McNair, David, assignor to the Lowell Manufacturing Company, Lowell, Mass. Car-pet..... (Design)..	Mar. 30, 1875			7	516
8, 609	McNair, David, assignor to the Lowell Manufacturing Company, Lowell, Mass. Car-pet..... (Design)..	Sept. 7, 1875			8	403
164, 497	McNair, David, assignor to the Lowell Manufacturing Company, Lowell, Mass. Car-pet..... (Design)..	Sept. 7, 1875			8	403
166, 399	McNair, William L., Allegheny, Pa. Manufacture of metal tubing.....	June 15, 1875	632	204	7	1635
159, 198	McNair, William L., Allegheny, assignor to William Graff & Co., Pittsburgh, Pa. Furnace for heating tubes.....	Aug. 3, 1875	202	60	8	227
167, 478	McNamar, John H. (See Scheidler & McNamar.)					
167, 405	McNaughton, George, Brooklyn, N. Y., assignor of one-half interest to Gustav H. Roth, Boston, Mass. Steam-valve.....	Jan. 26, 1875	826	272	100	
167, 406	McNeil, William H. (See Wilder, McNeil & Tyler.)					
164, 856	McNeil, George P. (See Woodward, George W., assignor.)					
164, 856	McNiece, William. (See Murray, John, assignor.)					
167, 478	McNitt, Martin, Mount Station, Ill. Cultivator.....	Sept. 7, 1875	69	21	8	416
167, 405	McNulty, Richard, Nashville, Tenn. Car-truck.....	Sept. 7, 1875	21	7	8	410
167, 406	McNulty, Richard, Nashville, Tenn. Car-truck.....	Sept. 7, 1875	21	7	8	410
164, 856	McNulty, Richard, Nashville, Tenn. Car-truck.....	Sept. 7, 1875	21	7	8	410
169, 017	McOmer, Sanford W., assignor of one-half interest to Johnson M. Burdge, North Manchester, Ind. Fruit-can.....	June 22, 1875	967	313	7	1088
169, 017	McOmer, Sanford W., assignor of one-half interest to Charles H. Winton, North Manchester, Ind. Tire-fightener.....	Oct. 19, 1875	669	220	8	675



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167, 004	McPhail, James, Ellis, Kans. Crown-bar for steam-boilers	Aug. 24, 1875	809	251	8	339
162, 673	McPherson, Deborah, <i>et al.</i> (See McPherson, John, assignor.)					
162, 295	McPherson, George, Chicago, Ill. Percolator	Apr. 27, 1875	1021	327	7	729
	McPherson, John, assignor to Deborah McPherson and J. Mather House, Houseville, N. Y. Harrow	Apr. 20, 1875	651	213	7	675
	McPherson, John R. (See Lugo, Orazio, assignor.)					
	Same (See Steventon & McGrath, assignors.)					
161, 807	McPherson, John R., Jersey City, N. J. Stock-car	Apr. 6, 1875	186	63	7	596
165, 849	Same	July 20, 1875	710	216	8	130
163, 850	Same	July 20, 1875	711	217	8	130
168, 043	Same	Sept. 21, 1875	614	197	8	510
153, 932	McQuary, Thomas, Daviess County, Ky., assignor of one-half interest to Sam. J. Harris. Portable fence	Feb. 16, 1875	684	226	7	291
166, 124	McQueen, Benjamin F., Manack, Ala. Lantern for trapping insects	July 27, 1875	985	304	8	180
166, 539	McQuillin, John W., and John A. Knepper, Delta, Ohio. Washing-machine	Aug. 10, 1875	344	106	8	256
161, 256	McRae, Roderick, Fayetteville, N. C. Combined cotton-chopper and scraper	Mar. 23, 1875	947	309	7	503
158, 384	McSwain, Moses S., Pole Grove, Wis. Gate	Jan. 5, 1875	28	10	7	12
163, 326	McSweeney, James, Pittsfield, Mass. Saw-filing machine	May 18, 1875	585	188	7	847
170, 754	McVaw, Daniel, Gallatin, Tenn. Plowing and seeding machine	Dec. 7, 1875	92	29, 30	8	963
161, 426	McVeen, Samuel, and Benjamin K. Price, Cleveland, Ohio. Horseshoe-fastening	Mar. 30, 1875	1124	363	7	533
168, 514	McVicar, Malcolm, Potsdam, N. Y. Terrestrial globe	Oct. 5, 1875	177	57	8	589
166, 621	McWane, Charles P., Dublin, Va. Log-turner	July 27, 1875	885	273	8	166
162, 296	McWauc, Thomas J., Versailles, Ill. Washing-machine	Apr. 20, 1875	652	213	7	675
163, 227	McWayne, Chandler, Colfax, Cal. Single-rail-railway car	May 11, 1875	470	152	7	816
163, 677	McWilliams, Henry H., Sacramento, Cal. Printer's galley	May 25, 1875	914	290	7	897
	McWilliams, Joseph, <i>et al.</i> (See McWilliams, Michael, assignor.)					
	McWilliams, Michael. (See Devine, Edward, assignor.)					
171, 402	McWilliams, Michael, assignor to self, Joseph McWilliams, and Edward Devine, Detroit, Mich. Machine for bending tubes, &c	Dec. 21, 1875	731	240	8	1062
169, 018	Meacham, James H., Petersburg, Va. Centrifugal water-wheel	Oct. 19, 1875	670	220	8	675
168, 515	Meacom, George, Beverly, Mass. Catamenial sack	Oct. 5, 1875	178	58	8	590
159, 833	Mead, Charles V., Chillicothe, Mo. Bank-check	Feb. 16, 1875	573	191	7	276
165, 015	Mead, Edwin D., Shortsville, N. Y. Grain-drill	June 29, 1875	1125	363	7	1116
169, 717	Mead, George A., Salem Centre, N. Y. Rail joint	Nov. 9, 1875	397	124	8	794
	Mead, Henry A. (See Hawley & Mead.)					
168, 912	Mead, Joseph W., Dupont, Ind. Device for changing speed	Oct. 19, 1875	577	190	8	662
169, 019	Mead, Theodore H., New York, N. Y. Target	Oct. 19, 1875	670	220	8	675
163, 504	Meade, Baron A., Newark, N. J. Ventilating flue-stopper	May 18, 1875	748	238	7	868
	Meady, Albert C. (See Crosby, George H., assignor.)					
170, 878	Meals, Joseph D., assignor to self and Andrew J. and Thomas G. Jack, North Washington, Pa. Tongue-support	Dec. 7, 1875	106	67	8	977
6, 454	Mears, John H., Oshkosh, Wis., assignor, by mesne assignments, to Renben Hoffheis. Rake for harvesters (Reissue)	May 25, 1875	1064	336	7	917
165, 942	Mears, Lemuel H., New York, N. Y. Waxing compound	July 27, 1875	812		8	156
	Mease, George K. (See Devol & Mease.)					
168, 658	Meay, Samuel P., Kilbourne, Ohio. Clothes-drier	Oct. 11, 1875	330	110	8	629
170, 098	Mcardt, Martin, Belleville, Ill. Child's carriage	Nov. 16, 1875	768	243	8	850
171, 523	Medbery, Horace J., Henry A. Mann, jr., and Simeon H. Drake, Ballston Spa., N. Y. Steam drying-wheel	Dec. 28, 1875	859	281	8	1088
171, 524	Medbery, Horace J., Ballston Spa., N. Y. Machine for cutting paper collars	Dec. 28, 1875	860	281	8	1088
	Meddaugh, L. Grant. (See Snow, Lcxor B., assignor.)					
	Meek, Alexander S. (See Schneider & Meek.)					
	Meeker, D. W. (See Meeker, John G., assignor.)					
168, 272	Meeker, John G., assignor of one-half interest to D. W. Meeker, Danbury, Conn. Machine for stretching hat-bodies	Sept. 28, 1875	852	271	8	549
	Meeker, Joseph R., <i>et al.</i> (See Higgins, Sylvester W., assignor.)					
	Meeker, Lorenzo. (See Fayette & Meeker.)					
161, 626	Meeks, John A., Berea, Ohio. Refrigerator	Apr. 6, 1875	32	13	7	573
6, 303	Mefford, David M., Toledo, Ohio, assignor to American Invention Company, Saint Louis, Mo. Saw-grinding machine	Feb. 23, 1875	967	318	7	338
82, 420	Mefford, David M., Newark, Ohio. Preserving fruit (Disclaimer filed)	Feb. 25, 1875			7	610
159, 597	Mefford, David M., Toledo, Ohio, assignor to American Invention Company. Weather-board gage	Feb. 9, 1875	341	113	7	240
160, 600	Mefford, David M., assignor to American Invention Company, Toledo, Ohio. Dry-measure	Mar. 9, 1875	328	111	7	405
159, 598	Megee, Robert F., Washington, D. C., assignor of one-half interest to Alexander Hay, New York, N. Y. Combined oyster knife and nippers	Feb. 9, 1875	342	113	7	240
160, 932	Megill, Edward L., assignor to William G. Morgan, Brooklyn, N. Y. Automatic lighter for gas-burners	Mar. 16, 1875	636	207	7	453
161, 049	Megill, Edward L., Brooklyn, N. Y. Feed-guide for printing-presses	Mar. 23, 1875	746	246	7	477
166, 882	Megill, Joseph, Cecilton, Md. Scraper	Aug. 17, 1875	678	210	8	312
169, 825	Megill, Sebring C., Chicago, Ill. Dental and barber's chair	Nov. 9, 1875	509	{ 179 } { 200 }	8	808
162, 567	Meiarg, James M., assignor to Richard Patton, Montreal, Canada. Steam-trap	Apr. 27, 1875	926	297	7	717
164, 856	Meiher, George F., Detroit, Mich. Process of graining wood	June 22, 1875	968		7	1088
	Meier & Co., Adolphus. (See Osterspey, Peter, assignor.)					
169, 280	Meier, Edward D., Saint Louis, Mo. Hydraulic compress	Oct. 26, 1875	931	302	8	719
165, 747	Meigs, Charles D., jr., Indianapolis, Ind. School-slate	July 20, 1875	603	186	8	116
	Meigs, Henry L. (See Meigs, Montgomery C. and Henry L.)					
158, 960	Meigs, Jee V., Lowell, Mass. Method of lubricating cartridges	Jan. 19, 1875	587	195	7	120
160, 934	Same.....Chair	Mar. 16, 1875	638	208	7	453
160, 935	Same.....Stock for fire-arms	Mar. 16, 1875	639	208	7	454
163, 024	Same.....Machine for making and loading cartridges	May 11, 1875	284	92, 93	7	792
163, 228	Same.....Locomotive	May 11, 1875	471	153	7	816
167, 005	Same.....Machine for making and heading cartridge-cases	Aug. 24, 1875	810	{ 251 } { 252 }	8	339
6, 373	Meigs, Montgomery C., Washington, D. C. Lens-attachment for gas-burners. (Reissue)	Apr. 13, 1875	492	{ 163 }	7	647
159, 190	Same.....same	Jan. 26, 1875	827	272	7	160
169, 366	Same.....Lens attachment to gas-burners	Nov. 2, 1875	46	14	8	741
166, 125	Meigs, Montgomery C. and Henry L. Romney, Ind. Dumping-wagon	July 27, 1875	985	304	8	181
161, 892	Meikle, James W., Louisville, Ky. Elevator	Apr. 13, 1875	277	93	7	630
170, 637	Meili, Henry, Yellow Stone, Wis. Harrow	Nov. 30, 1875	1304	411	8	939
165, 851	Mein, William, Stratford, England. Steam-governor	July 20, 1875	713	217	8	130
166, 473	Meinberg, Franz, New York, N. Y. Saw-holder	Aug. 10, 1875	294	88	8	248

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170, 755	Meinikheim, Bernard G., Newtown, and William D. Chase, New York, N. Y.; said Chase assignor to said Meinikheim. Basket.....	Dec. 7, 1875	93	30	8	663
159, 599	Meitzler, Charles, and G. Herman Hass, Rochester, N. Y. Float for suction-pipes of pumps.....	Feb. 9, 1875	342	14	7	240
170, 624	Melcher, Charles, New York, N. Y. Cannon-gun.....	Dec. 7, 1875	28	9	8	954
163, 564	Melcher, Lewis A. (See Melcher, Michael A. and Lewis A.) Melcher, Michael A. and Lewis A., Constantine, Mich. Pattern-chart for drafting garments.....	Nov. 2, 1875	221	73, 74	8	765
	Melcher, William H. (See Crabtree & Melcher.) Melchers, Edward. (See Deymann & Melchers.)					
169, 826	Melhorn, Simon L., Hanover, Pa. S. hook-seat.....	Nov. 9, 1875	510	160	8	808
164, 018	Melick, James W., White Cottage, Ohio. Washing-machine.....	June 1, 1875	151	54	7	951
170, 757	Melling, John W., Wigao, England. Safety and relief valve.....	Dec. 7, 1875	94	30, 31	8	563
160, 693	Mellinger, Benjamin, Mount Pleasant, Pa. Horse hay-rake.....	Mar. 9, 1875	402	135	7	415
165, 016	Meltinger, Christian K., assignor of two-thirds interest to Henry C. Shaffner and Lehman & Rigel, Harrisburgh, Pa. Carriage-seat.....	June 29, 1875	1126	303	7	1116
161, 536	Mellon, Davis M., Tremont, Pa. Sewing-machine attachment.....	Mar. 30, 1875	1231	396	7	548
6, 725	Mellon, John L., Pana, Ill. Overshoe..... (Reissue)	Nov. 2, 1875	280	90	8	772
165, 852	Mellor, Charles H., Philadelphia, Pa. Loose pulley for shaftings.....	July 20, 1875	715	217	8	130
	Meloon, David C., et al. (See Toppan, Daniel L., assignor.) Meloon, Hopkins H., et al. (See Toppan, Daniel L., assignor.)					
161, 698	Meloon, Jonathan C., Providence, R. I. Stop-cock.....	Apr. 6, 1875	92	32	7	562
6, 379	Melton, Reuben M., Chidlersville, Va. Cultivator..... (Reissue)	Apr. 13, 1875	495	164	7	643
164, 385	Menaar, Nicholas A., Buffalo, N. Y. Tea-kettle.....	June 15, 1875	531	174	7	1022
158, 430	Mencke, Henry, assignor of one-half interest to Charles Vigneron, Providence, R. I. Mechanical toy.....	Jan. 5, 1875	66	23, 24	7	18
160, 452	Mendel, Moses, assignor to Adolph Schwarz, New York, N. Y. Cap.....	Mar. 2, 1875	177	61	7	374
	Mendenhall, B. (See Tandy, Mark, assignor.) Mendenhall, Marmaduke H., Wabash, Ind. Reflector and sight-protector.....	Jan. 12, 1875	346	118	7	72
158, 726	Same..... Sight-protector.....	Apr. 20, 1875	655	213	7	675
162, 298	Same.....	Dec. 21, 1875	731	240	8	1162
171, 403	Same.....	Nov. 30, 1875	1249		8	931
170, 581	Mendonsa, John F., Springfield, Ill. Lubricating compound.....	July 6, 1875	193	57	8	35
165, 353	Meneely, George R., West Troy, N. Y. Casting bronze.....	Mar. 9, 1875	329	111	7	405
160, 610	Menegay, Jules, Brooklyn, N. Y. Watch-case spring.....	Jan. 5, 1875	139	46	7	28
158, 507	Menk, Peter L., Paris, Ill. Car-coupling.....	June 29, 1875	1209	389	7	1127
165, 109	Mentzel, Henry D., Baltimore, Md. Tag-machine.....	July 27, 1875	996	305	8	181
166, 126	Mercer, George, Saint Louis, Mo. Scroll-sawing machine.....	June 29, 1875	1054	330	7	1106
164, 927	Mercer, William, Christiana, Pa. Turbine water-wheel.....	Feb. 2, 1875	93	32	7	197
159, 340	Merchen, John G., Lowden, Iowa. Horse-power attachment.....	Mar. 30, 1875	1232	396	7	548
161, 537	Merembeck, Benjamin E., Philadelphia, Pa. Child's rocker.....	Feb. 23, 1875	772	255	7	310
160, 025	Meriam, Horace, Berlio, Wis. Car-coupling.....	Feb. 16, 1875	685	227	7	291
159, 954	Merick, Eldridge J., Rochester, N. Y. Broom-head..... Meriden Britannia Company. (See Christesen, Rudolph, assignor.)..... (Design.) Same..... (See Hirschfeld, Henry W., assignor.)..... (Design.) Same..... (See Smith, William M., assignor.) Same..... same..... (Design.) Same..... (See Wilcox, Horace C., assignor.)					
	Merkel, Gunal. (See Richter & Merkel.) Meroney, Thomas J., Salisbury, N. C. Plow.....	May 4, 1875	22	8	7	750
164, 469	Merrill, Isaac L., San Francisco, Cal. Paint compound.....	June 15, 1875	609		7	1032
170, 099	Same..... Boiler-cover.....	Nov. 16, 1875	769		8	850
165, 171	Merrill, Theodore, Dixon, Ill. Corn and cane harvester.....	July 6, 1875	29	8, 9	8	12
168, 763	Merriam, Alanson H., West Meriden, Conn. Punch-press.....	Oct. 14, 1875	428	140	8	633
8, 231	Merriam, Asaph, and Charles L. Little, West Meriden, Conn. Pedestal for stools. (Design).....	Mar. 30, 1875				516
	Merriam, Edward D. (See Osborn, Merriam & Doty.) Merriam, Flavel G., Akron, Ohio. Pipe.....	Nov. 2, 1875	226	74	8	765
169, 565	Same.....	Nov. 2, 1875	227	74	8	765
169, 566	Same..... Enamel for tobacco-pipes.....	Nov. 9, 1875	510	160	8	608
167, 554	Merriam, Levi P., London, England. Soldering-machine.....	Sept. 7, 1875	153	48	8	428
	Merriam, Russell B. (See Silva, Merriam & Sedgwick.) Merriam, W. A. (See Pettengill, Mauasch, assignor.) Merriek, Bennajah G. (See Merriek, Eldridge J., assignor.) Merriek, Eldridge J., assignor to self and Bennajah G. Merriek, Rochester, N. Y. Portable broom-head.....	Apr. 27, 1875	869	277	7	709
164, 386	Merriek, Oscar M., Chillicothe, Ill. Wash-bench.....	June 15, 1875	531	174	7	1022
164, 387	Same..... Rotary churn.....	June 15, 1875	532	175	7	1022
164, 388	Same..... Lap-board.....	June 15, 1875	533	175	7	1022
	Merrifew, P. E. (See Smith, John, assignor.) Merrill, Calvin J., Upper Alton, Ill., assignor to Henry E. Merrill, Akron, Ohio. Tile.....	Nov. 30, 1875	1250	393	8	931
170, 582	Merrill, Charles L., Evansville, Ind., assignor of one-half interest to Lorenzo D. Bartlett, Hudson, N. Y. Chain-pump.....	June 8, 1875	252	86	7	976
164, 098	Merrill, Chester C., Port Jervis, N. Y. Photographic vignetting-machine.....	June 29, 1875	1127	364	7	1116
165, 017	Merrill, Edward W. (See Merrill, Manning, assignor.)					
164, 859	Merrill, Frank M., Marysville, Cal. Governor for steam-engines.....	June 22, 1875	969	313, 314	7	1088
166, 935	Merrill, Freeman C., South Paris, Me. Side-hill-plow clevis.....	Aug. 21, 1875	738	229	8	329
	Merrill, Henry E. (See Merrill, Calvin J., assignor.) Merrill, Herbert S., Cambridge, Mass. Paper-bag machine.....	Mar. 16, 1875	510	165, 166	7	436
159, 953	Merrill, Hollis W., Lynn, Mass. Sandpapering-machine.....	Feb. 16, 1875	684	227	7	291
6, 702	Merrill, Hollis W., and James W. Hoitt, Lynn, Mass., assignors to National Boot and Shoe Tip Company of Connecticut. Tip for boots and shoes..... (Reissue)	Nov. 23, 1875	1100	345	8	904
160, 835	Merrill, Hollis W., and James W. Hoitt, Lynn, Mass. Boot and shoe tip.....	Mar. 16, 1875	555	180	7	442
170, 100	Merrill, Hollis W., and James W. Hoitt, Lynn, Mass., assignors to National Boot and Shoe Tip Company. Process of preparing and coloring hides.....	Nov. 16, 1875	770		8	851
	Merrill, John C. (See Merrill, Luther and John C.) Merrill, John F., Cincinnati, Ohio. Fire-place.....	May 25, 1875	914	291	7	897
163, 678	Merrill, Joshua, et al. (See Merrill, Rufus S., assignor.) Same..... (See Moehring, Herman G., assignor.) Merrill, Josiah. (See Frost & Merrill.) Merrill, Luther and John C., Turkey River Station, Iowa. Wire fence.....	June 15, 1875	698	227	7	1014
164, 576	Merrill, Manning, assignor to self and Edward W. Merrill, New York, N. Y. Manufacture of turn-buckles.....	Aug. 3, 1875	94	29	8	212
166, 286	Merrill, Norris H., Buchanan, Mich. Carpet-stretcher.....	May 4, 1875	188	62	7	772
162, 939	Merrill, Rufus S., et al. (See Moehring, Herman G., assignor.)					

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163, 505	Merrill, Rufus S., Boston, Mass., assignor to Herman G. Mochring, Philadelphia, Pa., and Rufus S., William B., and Joshua Merrill, Boston, Mass. Lamp.	May 18, 1875	748	238	7	868
163, 679	Merrill, Seth W., Maynard, Mass. Window-blind.	May 23, 1875	915	291	7	898
	Merrill, William B., et al. (See Merrill, Rufus S., assignor.)					
	Same..... (See Mochring, Herman G., assignor.)					
	Merrill, William E. (See Walton & Merrill.)					
162, 938	Merrill, William E., Cincinnati, Ohio. Head-light for steamboats.	May 4, 1875	187	61	7	771
164, 690	Merriman, Alanson H., West Meriden, Conn. Clutch for power-press.	June 23, 1875	813	265 206	7	1068
170, 101	Same..... Power-press.	Nov. 16, 1875	771	244	8	851
161, 108	Merriman, Benjamin H., assignor of one-half interest to Christopher A. Scrauton, New Haven, Conn. Whiffletree-coupling.	Apr. 6, 1875	188	64	7	596
166, 711	Merriman, Francis E., Boston, Mass. Machine for splitting or dressing whalebone.	Aug. 17, 1875	518	159	8	289
8, 761	Merriman, William F. (See Woods, Hiram, assignor.)					
	Merritt, Charles, South Weymouth, Mass. Shoe-upper front. (Design.)	Oct. 26, 1875			8	659
	Merritt, D., et al. (See Olsson, Axel, assignor.)					
	Merritt, Daniel. (See Coe & Merritt.)					
159, 341	Merritt, Samuel F., Springfield, Mass. Safety-pin.	Feb. 2, 1875	94	32	7	197
171, 525	Merritt, William J., Bardolph, Ill. Flour-bolt.	Dec. 23, 1875	861	282	8	1029
161, 141	Merritt, Wyly, assignor to self and M. T. Castlebury, Atlanta, Ga. Bedstead-fastening.	Mar. 23, 1875	838	273	7	488
8, 217	Mersereau, William T., Orange, N. J. Stair-rod. (Design.)	Mar. 23, 1875			7	466
167, 407	Mershon, Ralph S., Zanesville, Ohio. Watch-regulator.	Sept. 7, 1875	25	7	8	110
167, 922	Mertz, John H., Paso Robles, Cal. Tire-upsetting machine.	Sept. 21, 1875	506	161	8	494
	Merwin, Hulbert & Co. (See Hopkins, Charles W., assignor.)					
	Same..... same..... (Reissue.)					
163, 794	Messenger, Joseph, et al. (See Barnard, Alanson, assignor.)					
165, 110	Messer, Louis, New York, N. Y. Fastening for pocket-books.	May 23, 1875	1013	321	7	911
166, 400	Same..... Clasp for pocket-books.	June 29, 1875	1210	389	7	1127
169, 464	Same..... Spring-catch for boxes.	Aug. 3, 1875	302	60	8	227
170, 756	Messinger, Edwin D., Chicago, Ill. Paper bag for brooms.	Nov. 2, 1875	139	41	8	753
160, 275	Messinger, William T., Boston, Mass. Steam-boiler injector.	Dec. 7, 1875	94	30	8	963
	Messmer, Ferdinand, Saint Louis, Mo. Faucet.	Mar. 2, 1875	18	7	7	351
164, 577	Metcalf, John S., Indianapolis, Ind. Grain-elevator.	June 15, 1875	699	227 228	7	1044
	Metcalf, Martin. (See Weeks & Metcalf.)					
	Metcalf, Paul & Co. (See Trethewey, Samuel, assignor.)					
167, 006	Metcalf, Henry, Springfield, Mass. Means of attaching magazines to fire-arms.	Aug. 24, 1875	813	252	8	340
	Metcalf, James C. (See Leman & Metcalf.)					
	Metropolitan Washing Machine Company. (See Johnson, Josee, assignor.)					
161, 627	Metz, Christian, Pawtucket, R. I. Game apparatus.	Apr. 6, 1875	33	13	7	574
161, 050	Metz, George H., Wyandotte, Kans. Sash-fastener.	Mar. 23, 1875	747	246	7	478
170, 102	Metz, John W., Georgetown, D. C. Middlings-purifier.	Nov. 16, 1875	772	244	8	851
8, 364	Metz, Nathan, New York, N. Y. Fan. (Design.)	June 1, 1875			7	926
171, 237	Metzger, George F., and Jacob P. Kohler, West Fayette, N. Y. Clover-separator.	Dec. 21, 1875	580	190	8	1042
168, 099	Metzker, Reuben H., Genoa, Ohio. Well-boring machine.	Sept. 28, 1875	694	219	8	527
168, 273	Mucci, Antonio, Clifton, assignor to Giuseppe Tagliabue, East Chester, N. Y. Method of testing milk.	Sept. 28, 1875	852	271	8	550
160, 936	Meyer, Adolph C., et al. (See Pitt, William, assignor.)					
163, 877	Meyer, Adolph C., Baltimore, Md. Bottling-faucet.	Mar. 16, 1875	639	203	7	454
150, 600	Meyer, Arthur, New York, N. Y. Insect-powder injector.	June 1, 1875	35	12	7	935
162, 674	Meyer, August, Port Washington, Wis. Churn.	Feb. 9, 1875	343	114	7	240
8, 021	Meyer, Bernhard H., New York, N. Y. Machine for bunching and wrapping cigars.	Apr. 27, 1875	1023	327	7	729
	Meyer, Charles T. and Victor E., Bergen, N. J., assignors to Edward C. Sampson, New York, N. Y. Oil-cloth. (Design.)	Jan. 26, 1875			7	133
8, 022	Same..... same..... (Design.)	Jan. 26, 1875			7	133
8, 023	Same..... same..... (Design.)	Jan. 26, 1875			7	133
8, 024	Same..... same..... (Design.)	Jan. 26, 1875			7	133
8, 050	Same..... same..... (Design.)	Feb. 9, 1875			7	223
8, 188	Same..... same..... (Design.)	Mar. 2, 1875			7	345
8, 189	Same..... same..... (Design.)	Mar. 2, 1875			7	345
8, 190	Same..... same..... (Design.)	Mar. 2, 1875			7	345
8, 270	Same..... same..... (Design.)	Apr. 13, 1875			7	610
8, 271	Same..... same..... (Design.)	Apr. 13, 1875			7	610
8, 422	Same..... same..... (Design.)	June 23, 1875			7	1057
8, 423	Same..... same..... (Design.)	June 23, 1875			7	1057
8, 424	Same..... same..... (Design.)	June 23, 1875			7	1057
8, 425	Same..... same..... (Design.)	June 23, 1875			7	1057
8, 529	Same..... same..... (Design.)	July 27, 1875			8	148
8, 530	Same..... same..... (Design.)	July 27, 1875			8	148
8, 531	Same..... same..... (Design.)	July 27, 1875			8	149
8, 532	Same..... same..... (Design.)	July 27, 1875			8	149
8, 533	Same..... same..... (Design.)	July 27, 1875			8	149
8, 534	Same..... same..... (Design.)	July 27, 1875			8	149
8, 773	Same..... same..... (Design.)	Nov. 9, 1875			8	776
8, 774	Same..... same..... (Design.)	Nov. 9, 1875			8	776
8, 775	Same..... same..... (Design.)	Nov. 9, 1875			8	776
8, 805	Meyer, Charles T. and Victor E., Bergen, N. J. Floor oil-cloth. (Design.)	Nov. 23, 1875			8	862
8, 806	Same..... same..... (Design.)	Nov. 23, 1875			8	862
8, 807	Same..... same..... (Design.)	Nov. 23, 1875			8	862
8, 856	Meyer, Charles T., and Victor E., Bergen, N. J., assignors to Edward C. Sampson, New York, N. Y. Oil-cloth. (Design.)	Dec. 21, 1875			8	1031
8, 857	Same..... same..... (Design.)	Dec. 21, 1875			8	1034
8, 858	Same..... same..... (Design.)	Dec. 21, 1875			8	1034
8, 859	Same..... same..... (Design.)	Dec. 21, 1875			8	1034
162, 568	Meyer, Gustavus, assignor to Julius Franke, Quincy, Ill. Box-scraper.	Apr. 27, 1875	927	298	7	717
166, 540	Meyer, Gustavus, assignor of one-half interest to Julius Franke, Quincy, Ill. Box-scraper.	Aug. 10, 1875	345	106	8	256
167, 681	Same..... Device for pitching barrels.	Sept. 14, 1875	277	87, 68	8	452
	Meyer, Henry. (See Grimm, Richard, assignor.)					
158, 961	Meyer, Henry, New York, N. Y. Glue-cup.	Jan. 19, 1875	538	195	7	120
	Meyer, Henry W. (See Brown & Meyer.)					
171, 404	Meyer, Jacques, New York, N. Y. Horse-collar.	Dec. 21, 1875	733	240	8	1063
166, 215	Meyer, Julius, Philadelphia, Pa. Basket.	Aug. 3, 1875	29	10	8	201
161, 650	Meyer, Peter, Iowa City, Iowa. Sash-fastener.	June 22, 1875	867	282	7	1075
	Meyer, Victor E. (See Meyer, Charles T. and Victor E.)					

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164, 578	Meyer, William, Oneida, N. Y. Glove	Jan. 15, 1875	700	228	7	1045
161, 809	Meyer, William, and Henry Freiburg, Quincy, Ill. Boot and shoe	Apr. 6, 1875	189	64	7	596
164, 800	Same	June 22, 1875	971	311	7	1068
166, 621	Same	Aug. 10, 1875	418	159	8	266
171, 032	Same	Dec. 14, 1875	254	118	8	1605
165, 533	Meyers, Frederick J., Covington, Ky. Corn popper	July 20, 1875	716	218	8	131
160, 820	Meyers, John B., New Orleans, La. Liquid-mixer	Oct. 19, 1875	672	221	8	675
164, 451	Michaels, Joseph P., New York, N. Y. Toy	June 22, 1875	865	283	7	1076
163, 281	Michalet, François, and Pascal Bourget, Lyons, France. Embroidering-machine	Oct. 20, 1875	933	303	8	719
160, 694	Michel, Auton J., Saint Louis, Mo. Billiard and other table-levelers	Mar. 9, 1875	402	135	7	415
161, 631	Michel, Charles. (See Leseur & Michel)	Mar. 23, 1875	748	246	7	478
163, 354	Michel, Jacob, New York, N. Y. Invalid-bedstead	July 6, 1875	194	58	8	35
166, 622	Same	Aug. 10, 1875	419	129	8	266
160, 937	Michels, Peter, Brooklyn, N. Y. Strainer for pots	Mar. 16, 1875	640	209	7	454
161, 142	Michigan Stove Company. (See Anthony, Benjamin M., assignor) (Design.)	Mar. 23, 1875	838	273	7	489
166, 147	Mickle, Belton, Holly Springs, Miss. Car-coupling	July 27, 1875	967	305	8	181
166, 712	Mickle, John G., and Fountain F. Dearring, Posterville, Tenn. Cotton-chopper	Aug. 17, 1875	520	159 } 160 }	8	289
160, 218	Middaugh, Alvin, Scio, N. Y. Milk-testing process	Feb. 23, 1875	937	307	7	333
169, 021	Middleditch, John, New York, N. Y. Plow	Oct. 19, 1875	673	221 } 222 }	8	675
161, 257	Middleton, Henry, Charleston, S. C. Telegraph-transmitter	Mar. 23, 1875	948	309	7	503
166, 287	Middleton, John, et al. (See Brittain, Richard J., assignor)	Aug. 3, 1875	95	29	8	212
168, 639	Middleton, John W., Philadelphia, Pa. Steam-engine	Oct. 11, 1875	339	110	8	620
164, 928	Middleton, Leonard, and James B. Carey, Victor, Iowa. Railway-switch	June 29, 1875	1055	340	7	1106
165, 245	Middleton, Nathan, assignor of one-half interest to Stephen Morris, Philadelphia, Pa. Air and water trap	July 6, 1875	96	28	8	22
168, 169	Middleton, William A., et al. (See Morrow, William F., assignor)	Sept. 28, 1875	762	241	8	537
169, 914	Same	Nov. 16, 1875	605	188	8	828
171, 033	Same	Dec. 14, 1875	255	118	8	1005
166, 022	Mieg, Charles T., Paris, France. Method of fixing and developing colors on fabrics	July 27, 1875	885	274	8	167
161, 141	Mielke, Herman, Watertown, Wis. Grain-separator	Mar. 23, 1875	839	273	7	489
171, 526	Mihan, Patrick, Cambridgeport, Mass. Ventilating halls, &c	Dec. 28, 1875	862	282	8	1089
167, 870	Same	Sept. 21, 1875	448	142	8	485
165, 246	Same	July 6, 1875	97	29	8	22
165, 019	Mihills, Uriah D., Fond du Lac, Wis. Clothes-piu	June 29, 1875	1128	364	7	1116
162, 088	Miles, Henry, Springdale, Iowa. Wire-stretcher	Apr. 13, 1875	411	147	7	641
166, 542	Miles, James W., Hubbardston, Mich. Circular-saw mill	Aug. 10, 1875	347	107	8	256
164, 549	Miles, Samuel A., Rochester, N. Y. Brush	June 15, 1875	700	228	7	1045
159, 439	Miles, Stephen S., Rome, N. Y. Manufacture of pruning-shears	Feb. 2, 1875	174	59	7	208
162, 166	Miles, William A., Copake Iron Works, N. Y. Casting car-wheels	Apr. 20, 1875	552	181	7	662
159, 435	Milgate, George C., assignor to self, Calvin A. Beebe, and Lawrence Kinebau, Council Bluffs, Iowa. Stove	Feb. 2, 1875	175	59, 60	7	209
164, 389	Milbolland D. W., et al. (See Dodd, Robert J., assignor)	June 15, 1875	534	175	7	1022
164, 560	Mill, Edward, Cleveland, Ohio. Paper bag	June 15, 1875	701	228	7	1045
168, 044	Mill, Richard, Island of Jersey, England. Circulation in steam-generators	Sept. 21, 1875	617	198	8	510
164, 114	Miller, Adam, Eolborn, England. Type setting machine	Feb. 23, 1875	847	279	7	321
166, 893	Miller, A., Ringtown, Pa. Molding-machine	Aug. 17, 1875	679	210	8	312
167, 007	Miller, Abraham S., assignor of one-half interest to Frank P. Wilber, Republic, Ohio. Ladder	Aug. 24, 1875	814	252	8	340
168, 274	Miller & Co., Edward. (See Perkins, Orson N., assignor)	Sept. 28, 1875	854	272	8	550
160, 453	Miller, Andrew, Guntersville, Ala. Farm-fence	Mar. 2, 1875	178	61	7	374
169, 718	Same	Nov. 9, 1875	398	125	8	795
158, 727	Miller, A. R. (See Rykert, Alvares G., assignor)	Jan. 12, 1875	347	118	7	73
163, 854	Miller, Asher M., assignor of one-half interest to John B. Jacobs, Sturgis, Mich. Bag-fastener	July 20, 1875	716	218	8	131
160, 454	Miller, Basil, Coshocton, Ohio. Bridle-bit	Mar. 2, 1875	178	62	7	374
162, 089	Miller, Benjamin F., and William J. Reeves, assignors of one-half interest to James M. Morris and Edward A. Jones, Gatesville, Tex. Cotton-seed planter	Apr. 13, 1875	442	147	7	641
170, 486	Miller Brothers. (See Cost, John P., assignor)	Nov. 30, 1875	1159	365	8	920
166, 623	Miller, Cassius M., Phelps, N. Y. Carriage for portable engines	Aug. 10, 1875	419	129	8	266
163, 355	Miller, Charles. (See Craig, Lee D., assignor)	July 6, 1875	194	58	8	35
163, 229	Miller, Charles, Boomville, Mo. Pruning implement	July 6, 1875	194	58	8	35
176, 288	Miller, Charles, Fremont, Ohio. Baggy-top	July 6, 1875	195	58	8	35
167, 068	Miller, Charles A., Urbana, Ohio. Self-closing bingie	Feb. 9, 1875	431	144	7	252
165, 623	Miller, Charles E., Indianapolis, Ind. Combined letter-box and milk-receptacle	Dec. 14, 1875	256	119	8	1005
163, 355	Miller, Charles G., assignor to Stanley Rule and Level Company, New Britain, Conn. TONGUING AND GROOVING PLANES	June 29, 1875	1211	390	7	1128
165, 356	Miller, Charles G., and Leonard Bailey, New Britain, Conn.; said Miller assignor to said Bailey. Dado-plane	Dec. 14, 1875	476	156	8	1021
159, 699	Miller, Charles H., assignor of one-half interest to William Massing and Edgar Haight, Buffalo, N. Y. Wood pavement	July 6, 1875	195	58	8	35
171, 034	Miller, Charles H., assignor of one-half interest to William Massing, Buffalo, N. Y. Curtain-fixture	Feb. 9, 1875	431	144	7	252
165, 111	Miller, Charles H., Buffalo, N. Y. Water-sprinkling nozzle	Dec. 14, 1875	256	119	8	1005
171, 154	Same	June 29, 1875	1211	390	7	1128
163, 229	Same	Dec. 14, 1875	476	156	8	1021
176, 288	Miller, Charles J. (See Steel & Austin, assignors)	May 11, 1875	471	151	7	816
167, 068	Miller, Clemens and Peter, Marietta, Ohio. Shoe-stretcher	Nov. 23, 1875	963	301	8	884
168, 516	Miller, Daniel, Marietta, Ohio. Combined toilet-case and towel-roller	Aug. 24, 1875	814	253	8	340
166, 796	Miller, Daniel K., Philadelphia, Pa. Permutation-lock	Oct. 5, 1875	179	58	8	590
168, 660	Miller, David. (See Streat & Miller)	Aug. 17, 1875	597	184	8	301
6, 662	Miller, David, Carrollton, Md. Drag	Oct. 11, 1875	340	111	8	621
8, 334	Miller, David J., Santa Fé, N. Mex. Calendar	Sept. 28, 1875	894	285	8	555
	Miller, Francis, Albany, assignor of one-half interest to East New York Boot, Shoe, and Leather Manufacturing Company, New York, N. Y. Device for driving sewing-machines	May 18, 1875	894	285	7	837
	Miller, Frederick C., Cincinnati, Ohio. Cigar-mold. (Reissue)					
	Miller, Fred J., Brooklyn, N. Y. Fireman's trumpet. (Design)					

Alphabetical list of patents for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. g.	Vol.	Page.
8, 413	Miller, George. (See Knight, James, assignor.) Miller, George G., Philadelphia, Pa. Comb. (Design) Miller, George H. (See Fenn, Robert, assignor.) Miller, George W. (See Miller, William H. and George W.) Same. (See Smith, George H., assignor.) (Reissue.)	June 22, 1875			7	1056
169, 367	Miller, George W., Meriden, Conn. Tool-handle.	Nov. 2, 1875	47	14	8	741
170, 759	Miller, George W., Constitution, Pa. Rein-holder.	Dec. 7, 1875	96	31	8	963
8, 570	Miller, Herman, assignor to Devoe Manufacturing Company, New York, N. Y. Handle for cans, &c. (Design)	Aug. 17, 1875			8	281
161, 259	Miller, Herrman. (See Seiber, Charles F., assignor.)					
165, 749	Miller, Hiram H., John F. Rogers, and Christian Force, Bunce town, Mo. Car-coupling. Miller, Horace H., Lyndon, Vt. Drag-saw Miller, Jacob. (See Miller, Lewis and Jacob) (Reissue.) Miller, James. (See Reynolds & Miller.)	Mar. 23, 1875 July 20, 1875	951 605	309 186	7 8	504 117
168, 661	Miller, James, Boston, Mass. Piano and organ ottoman. Miller, J. E., et al. (See Kenny, Arthur, assignor.)	Oct. 11, 1875	341	111	8	621
164, 020	Miller, Joel, Baltimore, Md. Automatic car-coupling.	June 1, 1875	153	54	7	951
165, 620	Miller, John, Philadelphia, Pa. Leather-dressing.	July 20, 1875	546		8	108
158, 962	Miller, John, jr., Syracuse, N. Y. Nut-lock washer.	Jan. 19, 1875	589	195	7	120
163, 680	Miller, John A., Paducah, Ky. Watch-regulator	May 25, 1875	916	291	7	898
164, 470	Miller, John A., Oshkosh, Wis. Saw-sharpening machine	June 15, 1875	610	197	7	1032
8, 290	Miller, John E., Pittsburgh, Pa. Beer-mug (Design)	Apr. 27, 1875			7	701
8, 291	Same. Goblet (Design)	Apr. 27, 1875			7	701
170, 758	Miller, John G., Fredericksburgh, Va. Clevis. Miller, John T. (See Tebow, Theodore, assignor.)	Dec. 7, 1875	95	31	8	963
161, 258	Miller, Joseph A., Providence, R. I. Steam-generator	Mar. 23, 1875	949	309	7	503
162, 247	Same. Mincing-machine	Apr. 20, 1875	610	199	7	669
162, 248	Same. Mashing-machine	Apr. 20, 1875	610	199	7	669
167, 851	Same. Hose-reel	Sept. 21, 1875	450	143	8	485
170, 685	Same. Packing-box for fruit and eggs.	Dec. 7, 1875	29	9	8	954
159, 109	Miller, Joseph E., et al. (See Miller, William H., assignor.)					
164, 581	Miller, Joseph H. (See Snyder, Benjamin, assignor.) Miller, La Fayette K., Austin, Tex. Cotton-harvester	Jan. 26, 1875	747	246	7	149
163, 390	Miller, Leonard H., Crawfordsville, Ind., assignor of one-half interest to Frank Seaman, Savannah, Ga. Process of producing plates for printing	June 15, 1875	702		7	1045
6, 485	Miller, Lewis, Akron, Ohio. Crank-wheel	May 18, 1875	642	205	7	854
169, 719	Miller, Lewis and Jacob, Canton, Ohio, assignors to C. Aultman & Co. Harvester. (Reissue)	June 15, 1875	747	244	7	1051
160, 939	Miller, Martin D., assignor to self and James T. Pierson, Oswego, Kans. Governor and cut-off for steam-engines.	Nov. 9, 1875	399	125	8	795
171, 579	Miller, Miles M., Meline, Ill. Sawing-machine	Mar. 16, 1875	643	209	7	454
169, 282	Miller, Moses, East Orange Township, N. J. Machine for gathering stones.	Dec. 28, 1875	910	298	8	1096
165, 748	Miller, Niles M., Evansville, Ind. Sawing-machine	Oct. 26, 1875	933	303	8	719
162, 090	Miller, Peter. (See Miller, Clemens and Peter.) Miller, Phillip. (See Gregerson, Peter, assignor.)					
162, 569	Miller, Richard, and James D. Hillson, Stephenville, Wis. Farm-gate.	July 20, 1875	604	186	8	116
161, 628	Miller, Sam. H., assignor to self and Jesse E. Folk, Brooklyn, N. Y. Lantern.	Apr. 13, 1875	413	148	7	611
168, 045	Miller, Thomas, Boston, Mass. Piano-stool	Apr. 27, 1875	928	298	7	717
168, 338	Miller, Thomas L., Philadelphia, Pa. Shoe-sewing machine	Apr. 6, 1875	34	13	7	374
164, 582	Same. Channel opener and molder for boots and shoes	Sept. 21, 1875	619	198	8	510
167, 111	Miller, Warren P., New York, N. Y. Saw	Oct. 5, 1875	19	7	8	507
167, 682	Miller, Wesley, assignor to Joseph Banigan, New York, N. Y. Doll	June 15, 1875	703	229	7	1045
170, 103	Miller, W. H., et al. (See Kenney, Arthur, assignor.) Miller, William, et al. (See Galloway, George, assignor.)					
164, 019	Miller, William, Boston, assignor to self and Augustus Seaver, Milford, Mass. Bobbin-winder for sewing-machines	Aug. 24, 1875	909	284	8	353
160, 939	Miller, William, assignor to Charles A. Shaw, Boston, Mass. Fare-register	Sept. 14, 1875	278	88	8	452
161, 427	Miller, William, Boston, assignor to self and Henry M. Wiswall, Watertown, Mass. Music-leaf turner	Nov. 16, 1875	778	245	8	851
160, 059	Miller, William A., Paterson, N. J. Slate-frame	June 1, 1875	152	54	7	951
161, 320	Miller, William B., and William Powell, Cleveland, Ohio. Beer-faucet.	Mar. 30, 1875	1125	363	7	533
169, 022	Miller, William D., Pittsburgh, Pa. Recoil-check for gun-stocks	Nov. 2, 1875	131	42	8	753
160, 059	Miller, William H., West Meriden, Conn. Die for making the handles of pocket-cutlery.	Feb. 23, 1875	803	264	7	314
161, 320	Miller, William H. and George W., Meriden, Conn. Die for manufacturing bolsters for pocket-knives	June 8, 1875	456	151	7	1003
169, 022	Miller, William H., assignor of part interest to Kenney & McPartland and Joseph E. Miller, New York, N. Y. Button-gaiter	Oct. 19, 1875	674	222	8	676
158, 856	Miller, William R., Baltimore, Md. Insulator for musical instruments.	Jan. 19, 1875	484	162	7	107
159, 342	Same. Piano insulator	Feb. 2, 1875	94	32	7	197
160, 783	Miller, William T. (See Baer, Daniel W., assignor.) Miller's Falls Company. (See Stockbridge, Charles H.) (Reissue.) Miller's Falls Manufacturing Company. (See Rose, Clemens B., assignor) (Reissue.)					
161, 144	Millet, John W., assignor to Louisa B. Pettyjohn, Johnstown, N. Y. Clothes-pin machine.	Mar. 16, 1875	513	166	7	436
166, 128	Millet, John W., assignor of one-half interest to Louisa B. Pettyjohn, Johnstown, N. Y. Machine for making chair-rouds.	Mar. 23, 1875	840	274	7	489
166, 100	Millbiser, John L., assignor of two-thirds interest to Joel S. Edwards and Randolph F. Marshall, Marshalltown, Iowa. Sack-holder	July 27, 1875	988	305	8	181
168, 662	Milligan, John C., South Orange, N. J. Sheet-metal tube	Sept. 28, 1875	695	219	8	527
168, 662	Milligan, John C., South Orange, N. J., assignor to Lalance and Grosjean Manufacturing Company, New York, N. Y. Pan	Oct. 11, 1875	342	111	8	621
163, 681	Milliken, John. (See Milliken, William H. and John) (Disclaimer.) Same. same (Extension.)					
31, 578	Milliken, William H., Sacramento, Cal. Traction-engine	May 25, 1875	917	291	7	898
171, 405	Milliken, William H., Sacramento, Cal., and John Milliken, Rockland, Me. Combined paper-folding machine and printing-press. (Extension.)	Feb. 25, 1875			7	515
162, 297	Same. Paper-folding machine. (Extension.)	Feb. 25, 1875			7	515
171, 405	Millman, Lewis J., West Troy, N. Y. Monument	Feb. 19, 1875			7	515
165, 018	Millner, George W., Charlotteveta, Prince Edward Island. Pipe and bolt vise.	Dec. 21, 1875	734	241	8	1063
167, 110	Miller, Christian K., assignor of one-half interest to Jacob Reinocel and Lehman & Reigel, Harrisburgh, Pa. Jump-seat for carriages.	Apr. 20, 1875	653	213	7	675
171, 481	Millner, Jackson C., Danville, Va. Tobacco-cutter	Dec. 28, 1875	819	268	8	1053

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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6, 297	Milot, James. (See Milot, Theophilus and James). (Reissue.)					
171, 155	Milot, Theophilus and James, New York, N. Y. Flower-maker's grass-cutting machine. (Reissue)	Feb. 16, 1875	740	246	7	298
165, 112	Mills, Andrew J., Scott, assignor of one-half interest to R. Frank Smith, Seneca Falls, N. Y. Stove-pipe shelf.	Dec. 14, 1875	477	156	8	1021
134, 201	Mills, Chauncy W., Rochester, N. Y. Pump-governor.	June 23, 1875	1212	390	7	1128
166, 023	Mills, Christopher S., Sterling, assignor of one-half interest to Leonard B. Starkweather, Chicago, Ill. Picture exhibitor.	Jan. 26, 1875	829	273	7	160
158, 645	Mills, Clark W., Mont Clair, N. J. Grain elevator.	July 27, 1875	886	274	8	167
170, 2-9	Mills, Edwin, Somerville, Mass. Water-closet valve.	Jan. 12, 1875	277	93	7	63
164, 021	Mills, F. C., et al. (See Blakeslee, John R., assignor.)					
167, 617	Mills, Francis E., Virginia City, Nev. Method of concentrating tailings from quartz-mills.	Nov. 23, 1875	964	302	8	884
160, 940	Mills, Harvey T. (See Mathewson & Mills.)					
163, 538	Mills, Henry D., Otsego, Mich. Hoe.	June 1, 1875	153	54	7	952
171, 156	Mills, Hiram R., Port Huron, Mich. Camp-bed.	Sept. 11, 1875	223	70	8	444
	Mills, Isaac, Hamilton, Canada. Railway-rail joint protector.	Mar. 16, 1875	644	210	7	454
	Mills, Isaac, jr., Pittsburgh, Pa. Cement roof.	June 1, 1875	83	28	7	942
	Mills, James, assignor to self and Philip Combs, Wilmington, Del. Dumping-wagon.	Dec. 14, 1875	478	156	8	1021
	Mills, James G. (See Lakey & Mills.)					
	Same..... (See Moore & Mills.)					
6, 591	Mills, James R. (See Davis & Mills.)					
151, 538	Mills, John H., Boston, Mass. System of steam and water piping for buildings. (Reissue)	Aug. 10, 1875	482	147	8	275
159, 343	Mills, Samuel, New Castle, Ohio. Roofing-tile.	Mar. 30, 1875	1232	397	7	548
6, 235	Mills, Stephen D., Kingston, N. Y. Stay for the bottoms of pantaloons.	Feb. 2, 1875	95	33	7	197
161, 810	Mills, William J. B., Philadelphia, Pa. Form for fitting shoe-uppers. (Reissue)	Jan. 19, 1875	635	211	7	126
170, 1-1	Millsbaugh, John H., Williamsport, Pa. Machine for relishing tenous and cutting wedges.	Apr. 6, 1875	190	64	7	596
170, 961	Millsbaugh, William, Middletown, N. Y. Butcher's saw.	Nov. 23, 1875	870	272	8	871
6, 668	Same..... Cross-cut-saw handle.	Dec. 14, 1875	289	97	8	997
8, 323	Millward, Frank, assignor, by mesne assignments, to Edward Boyd, trustee, Cincinnati, Ohio. High and low water indicator.	Sept. 28, 1875	900	287	8	556
159, 523	Milne, James, Philadelphia, Pa. Wainscoting. (Design)	May 11, 1875			7	781
159, 698	Milne, John O., Minneapolis, Minn. Cultivator.	Feb. 9, 1875	287	93	7	231
160, 938	Same..... Bag-tie.	Feb. 9, 1875	431	144	7	252
163, 391	Milroy, John, North Briton, and James W. Butler, Willesden, England. Construction of piers.	Mar. 16, 1875	641	209	7	454
6, 519	Milson, George, assignor of two-thirds interest to Henry Spendlow and F. W. Bartlett, Buffalo, N. Y. Ozone-machine.	May 18, 1875	643	206	7	854
160, 026	Mindchell, Dennyry, assignor to self and Thomson H. Alexander, Washington, D. C. Process of treating ores. (Reissue)	June 29, 1875	1249		7	1134
166, 624	Minderle, Damian, and George Maschmeyer, Saint Louis, Mo. Washing-machine.	Feb. 23, 1875	773	255	7	310
168, 339	Minear, Solomon C., Chillicothe, Ohio. Machine for compressing grain-stocks.	Aug. 10, 1875	420	130	8	266
167, 775	Miner, Albert A. (See Crane & Miner.)					
161, 539	Miner, Russell H., Cleveland, Ohio. Paper-hanging machine.	Oct. 5, 1875	19	8	8	567
162, 999	Miner, Stephen B., Saint Peter, Minn. Snow-plow.	Sep. 14, 1875	367	117	8	465
160, 941	Minge, William H. H., Mobile, Ala. Screw-press.	Mar. 30, 1875	1233	397	7	548
168, 170	Mingeon, Achille F., Wolfcotteville, Conn. Curry-comb.	Apr. 20, 1875	656	214	7	675
160, 941	Mineh, Daniel, Philadelphia, Pa. Automatic fire-plug or hydrant.	Mar. 16, 1875	644	210	7	454
169, 115	Mineh, Daniel, assignor of one-half interest to Osborn Conrad, Philadelphia, Pa. Boring-machine.	Sept. 28, 1875	763	242	8	537
170, 290	Mineh, Jacob, Floris, Iowa. Earth-anger.	Oct. 26, 1875	788	255	8	698
160, 836	Minneapolis Manufacturing Company. (See Macomber, Wyman C., assignor.)					
167, 775	Minor, Charles M., Bridgeport, Conn. Well-curb.	Nov. 23, 1875	966	302	8	884
6, 538	Minor, John O., Bedford, Iowa, assignor of nine-tenths interest to P. H. Oxley, John P. Bell, Benson Fordyce, A. J. Litcher, Simon Wright, J. T. King, P. D. Curran, W. A. Webb, and D. Griffith. Plow.	Mar. 16, 1875	555	180	7	442
8, 877	Minor, John W., Middleborough, Mass. Three-wheeled dray.	Sept. 14, 1875	368	117	8	465
164, 861	Minot, Hiram P., assignor, by mesne assignments, to F. A. Bowen, Chicago, Ill. Ore-separator. (Reissue)	July 13, 1875	509	156	8	87
	Miushull, Richard, Pittsburgh, Pa. Picture-frame.	Dec. 28, 1875			8	1076
165, 855	Minton, Stephen F., Prairie Plain, assignor of one-half interest to Henry D. Starr, Texas, Tex. Speed-measure.	June 22, 1875	972	314	7	1088
166, 543	Minton, Thomas W., Stoke-upon-Trent, England. Oven for firing pottery.	July 20, 1875	718	218 (219)	8	131
164, 653	Missimer, Jacob G., Trenton, N. J. Sleeve-button.	Aug. 10, 1875	348	107	8	256
159, 601	Miss-o, Rocco, and Bishop J. Warner, Macon, Miss. Car-coupling.	June 22, 1875	870	283	7	1076
161, 200	Mitchell, Alexander, Wilkesbarre, Pa. Locomotive spark-arrester.	Mar. 2, 1875	179	62	7	374
162, 999	Mitchell, Austin V., La Salle County, Ill. Feed-rack.	Feb. 9, 1875	344	114	7	241
162, 570	Mitchell, Frederick B., Truro, England. Stopper and discharge for bottles.	Jan. 26, 1875	828	272	7	160
166, 288	Mitchell, Frederick N., El Paso, Ill. Agricultural boiler.	Mar. 23, 1875	752	310	7	504
169, 720	Mitchell, Ilsea B., Boston, Mass. Umbrella.	Apr. 27, 1875	929	298	7	717
158, 855	Mitchell, James C., Lancaster, N. H. Gas-generator.	Aug. 3, 1875	96	29, 30	8	212
	Same..... Car-coupling.	Nov. 9, 1875	400	125	8	795
	Mitchell, James H., San Francisco, Cal. Gridiron.	Jan. 19, 1875	486	163	7	107
171, 278	Mitchell, James J., administrator. (See Yaw & Mitchell.)					
171, 249	Mitchell, James L., Pueblo, Colo. Sleeping-car.	Dec. 21, 1875	581	191	8	1043
170, 879	Same..... same.	Dec. 21, 1875	582	191	8	1043
170, 104	Mitchell, James M., Dunlap, and Lewis B. Kennedy, Keokuk, Iowa. Brick-machine.	Dec. 7, 1875	196	67, 68	8	977
171, 157	Mitchell, John, Philadelphia, Pa. Shutter-bolt.	Nov. 16, 1875	774	245	8	851
159, 436	Same..... Mode of manufacturing piston-springs.	Dec. 14, 1875	478	156	8	1021
	Mitchell, John D., Dry Creek, Ala. Cotton-chopper.	Feb. 2, 1875	176	60	7	269
165, 605	Mitchell, Joseph. (See Krelwitz, Edmund F., assignor.)					
163, 878	Mitchell, Joseph L., New Bedford, assignor to William A. Brown, Lynn, Mass. Boot and shoe crimping machine.	July 13, 1875	460	141	8	80
160, 695	Mitchell, Joseph R., Hayward, Cal. Cutter-holder for metal-lathes.	June 1, 1875	37	12	7	935
158, 963	Mitchell, Nelson C., Indianapolis, Ind. Bee-hive.	Mar. 9, 1875	403	135	7	415
	Mitchell, Noah W., Southsea, England. Apparatus for branding and counting corks.	Jan. 19, 1875	590	186	7	120
	Mitchell, Robert H., deceased. (See Yaw & Mitchell.)					
	Mitchell, Thomas A. (See Jacobs, George T., assignor.)					
	Mitchell, Thomas L. (See Lantz & Mitchell.)					
	Mitchell, William. (See Bechler, John A., assignor.)					
160, 455	Mitchell, William F., assignor of two-thirds interest to Henry W. French and Alfred R. Payne, Lynn, Mass. Lap-board.	Mar. 2, 1875	179	62	7	371
158, 857	Mitchell, William S., Washington, D. C. Bridle.	Jan. 19, 1875	485	163	7	107
	Mittendorf, Charles. (See Schmandt, Charles, assignor). (Reissue.)					

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166, 797	Mix, Eugene M. and James E., Westfield, N. Y. Adjustable face-plate for locks.....	Aug. 17, 1875	538	184	8	301
163, 230	Mix, Frank W., assignor to Eagle Lock Company, Terrysville, Conn. Hasp for trunk-locks.....	May 11, 1875	475	154	7	816
161, 652	Same.....Bag-lock.....	June 22, 1875	869	2-3	7	1076
165, 357	Mix, Garry I., Yalesville, Conn. Water-cooler.....	July 6, 1875	196	58, 59	8	35
160, 219	Mix, James E. (See Mix, Eugene M. and James E.)					
160, 219	Mix, Newell P., Avenue, and William E. Jacobs, Columbus, Ohio; said Jacobs assignor to said Mix. Wind-wheel.....	Feb. 23, 1875	937	307	7	333
158, 964	Mizell, Josiah, and John Revell, Colerain, N. C. Gin-saw sharpener.....	Jan. 19, 1875	530	196	7	120
161, 428	Mobley, George H., Nevada, Mo. Bee-hive.....	Mar. 30, 1875	1125	363	7	534
163, 506	Mock, Isidor, Brooklyn, N. Y. Cement pavement.....	May 18, 1875	749	238	7	868
161, 145	Modcr, Frank C., Hortonville, Wis. Plaster-sower.....	Mar. 23, 1875	840	274	7	4e9
	Moecker, Herman. (See Snuderman, John H., assignor.)					
159, 700	Moehring, Herman G., et al. (See Merrill, Rufus S., assignor.)					
159, 701	Moehring, Herman G., Philadelphia, Pa., assignor of one-half interest to Rufus S., William B., and Joshua Merrill, Boston, Mass. Lamp.....	Feb. 9, 1875	432	145	7	252
163, 507	Same.....Lamp-burner.....	Feb. 9, 1875	434	145	7	252
163, 508	Same.....Wick-raiser.....	May 18, 1875	750	238	7	868
	Same.....Lamp-burner.....	May 18, 1875	751	239	7	868
164, 862	Moeller, August, Hartford, Conn. Stringing pianos.....	June 22, 1875	973	{ 314 315 }	7	1088
	Moeller, Peter K. (See Friedlaender & Moeller.)					
167, 009	Moeslein, Valentine, Waterloo, Ill. Spring-power.....	Aug. 24, 1875	£16	253	8	340
159, 035	Moestue, Adolph C., Burlington, Wis. Photograph-burnisher.....	Jan. 26, 1875	683	224	7	139
159, 834	Mofatt, Richard R., Brooklyn, N. Y. Construction of ordnance.....	Feb. 16, 1875	574	191	7	276
167, 010	Mofitt, John, Pamrapo, N. J. Globe-valve.....	Aug. 24, 1875	817	253	8	340
171, 626	Mofitt, Alexander, Washington, D. C. Horseshoe.....	Dec. 28, 1875	969	314	8	1101
158, 385	Mofitt, John R., Chelsea, Mass. Machine for trimming boot and shoe heel counters.....	Jan. 5, 1875	29	10	7	13
159, 702	Same.....Machine for making counters for boots and shoes.....	Feb. 9, 1875	434	{ 145 149 }	7	253
159, 835	Same.....Apparatus for shaping counter-stiffeners for boots and shoes.....	Feb. 16, 1875	575	191	7	276
169, 721	Mole, John G., assignor of one-half interest to Byron Huff, Sarpy Centre, Nebr. Corn-planter.....	Nov. 9, 1875	400	126	8	705
170, 182	Molesworth, William, New York, N. Y. Syringe.....	Nov. 23, 1875	870	272	8	871
162, 091	Moliere, James W., Detroit, Mich. Electro-therapeutic bath.....	Apr. 13, 1875	444	148	7	641
163, 842	Moll, Charles F., and Joseph H. Altheide, Quincy, Ill. Air-pump.....	Oct. 19, 1875	508	167	8	653
8, 068	Moll, Max, New York, N. Y. Cigar-box..... (Design.)	Feb. 16, 1875			7	261
158, 803	Moloney, Maurice F., et al. (See Irvin, Thomas W., assignor.)					
	Monense, Elie, New York, N. Y. Vegetable-slicer.....	Jan. 19, 1875	437	146	7	101
	Monitor Plow Works. (See Ferguson, Sam. T., assignor.)					
162, 675	Monk, William G., Brooklyn, N. Y. Composition for tiles.....	Apr. 27, 1875	1034		7	729
161, 540	Monnett, John P., Bucyrus, Ohio. Harvester-rake.....	Mar. 30, 1875	1234	397	7	548
169, 023	Same.....Farn-fence.....	Oct. 19, 1875	675	222	8	676
171, 035	Monnier, Auguste, Sacramento City, Cal. Watch-cleaning fluid.....	Dec. 14, 1875	257		8	1005
159, 437	Mouroe, Ansel W., Rahway, N. J. Doll.....	Feb. 2, 1875	178	60	7	209
8, 776	Mouroe, George O., Newark, N. J. Satchel-handle tip..... (Design.)	Nov. 9, 1875			8	776
8, 788	Same.....Tip for satchel and bag handles..... (Design.)	Nov. 9, 1875			8	777
167, 011	Same.....Handle attachment for valises.....	Aug. 24, 1875	817	254	8	340
160, 837	Monroe, James B., Newburgh, N. Y. Hand-sled.....	Mar. 16, 1875	556	180	7	442
161, 146	Mouson, Charles, New Haven, Conn. Water-power.....	Mar. 23, 1875	841	274	7	489
159, 438	Montalucetti, Vincenzo, Milan, Italy, assignor to L. G. Marini, Washington, D. C. Umbrella-tip retainer.....	Feb. 2, 1875	178	61	7	209
171, 302	Mouffort, Richardson, Butler, Ga. Bale tie.....	Dec. 21, 1875	630	209	8	1050
170, 445	Montgomery, Francis A., Eaton Rapids, Mich. Well-auger.....	Nov. 30, 1875	1120	353	8	914
170, 820	Montgomery, Joseph V., Toledo, Ohio. Kitchen-ventilator.....	Dec. 7, 1875	197	68	8	977
162, 571	Montgomery, William, Chicago, Ill. Ash-sifter.....	Apr. 27, 1875	929	298	7	717
158, 508	Montignani, John O., Albany, N. Y. Brush and mop holder..... (See Cluuton & Mood.)	Jan. 5, 1875	140	47	7	28
170, 881	Moody, Alexander, Chicago, Ill. Pie-plate stand.....	Dec. 7, 1875	197	68	8	977
167, 459	Moody, David B., et al. (See Ludwig, John C., assignor.)					
170, 291	Moody, Henry C., Oswego, N. Y. Child's carriage.....	Sept. 7, 1875	70	21	8	416
	Same.....Carriage-curtain.....	Nov. 23, 1875	967	302	8	884
	Moody, Hiram, et al. (See Laird, Peter B., assignor.)					
160, 457	Moomaw, Mark B., Catawba, Va. Water-wheel chute.....	Mar. 2, 1875	180	62	7	374
168, 913	Moon, Andrew, San Francisco, Cal. Steam-boiler indicator.....	Oct. 19, 1875	578	190	8	662
162, 249	Moon, Charles R., Wolcottville, Ind. Neck-yoke.....	Apr. 20, 1875	611	159	7	669
168, 764	Moon, Sanford P. (See Sanford, Edwin L., assignor.)					
	Mooney, George, assignor to Providence Gas Burner Company, Providence, R. I. Gas-heater.....	Oct. 11, 1875	428	140	8	633
171, 482	Mooney, John, Providence, R. I. Fruit-picker.....	Dec. 28, 1875	819	269	8	1033
166, 401	Mooney, Joseph E., assignor to T. F. Eigeluerer & Co., Baltimore, Md. Hydrant.....	Ang. 3, 1875	203	61	8	227
170, 437	Moor, George, La Fayette, Ore. Sulky-plow.....	Nov. 30, 1875	1160	365	8	920
163, 510	Moore, Albert G., Uniontown, Pa. Corn-row marker.....	May 18, 1875	754	{ 239 240 }	7	869
161, 021	Moore, Andrew N., Trenton, Ky. Farm-fence.....	Mar. 23, 1875	952	310	7	504
169, 024	Moore, Benjamin T., Isleworth, England. Ship's log.....	Oct. 19, 1875	675	223	8	676
159, 110	Moore, Calvin, and Charles H. Campfield, San Francisco, Cal. Ore-concentrator.....	Jan. 26, 1875	748	246	7	149
	Moore, Charles P. (See Palmer, Joseph, assignor.)					
161, 052	Moore, Daniel, assignor to Joseph Goldmark, Brooklyn, N. Y. Time-lock.....	Mar. 23, 1875	749	246	7	478
161, 422	Same.....Hatch closing and indicating apparatus.....	Mar. 30, 1875	1126	364	7	531
163, 509	Moore, Daniel, assignor to Samuel L. Thursty, Brooklyn, N. Y. Self-closing hatchway.....	May 18, 1875	753	234	7	869
164, 023	Moore, Daniel and Edwin, Brooklyn, assignors to selves and Richard D. Alliger, New York, N. Y. Hoe.....	June 1, 1875	155	55	7	952
170, 583	Moore, Edward I., Niles, Ohio. Tire-tightener.....	Nov. 30, 1875	1250	394	8	932
	Moore, Edwin. (See Moore, Daniel and Edwin.)					
170, 882	Moore, Enos B., Bell's Mills, Ala. Cultivator.....	Dec. 7, 1875	198	68	8	977
164, 197	Moore, Frank W., Erieville, N. Y. Milk-cooler.....	June 8, 1875	336	115	7	987
162, 491	Moore, George A., and William McCloud, Columbus, Ohio. Compound for removing incrustation in steam-boilers.....	Apr. 27, 1875	864		7	709
6, 732	Moore, George F. (See Moore, Stephen and George F.)					
	Moore, George R., Philadelphia, Pa., assignor, by mesne assignments, to John S. Perry, Albany, N. Y. Heating-stove..... (Reissue.)	Nov. 9, 1875	568	177	8	515
158, 598	Moore, George R., Philadelphia, Pa. Calvary vessel.....	Jan. 12, 1875	235	79	7	57

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161, 977	Moore, George R., assignor of one-half interest to Richard McCambridge, Philadelphia, Pa. Water-closet valve	Apr. 13, 1875	350	117	7	629
165, 943	Moore, George R., Philadelphia, Pa. Furnace-grate	July 27, 1875	813	249	8	156
171, 433	Same. Stove-grate	Dec. 28, 1875	220	269	8	1083
161, 620	Moore, George W., Newark, N. J. Machine for rowing-exercise	Apr. 6, 1875	35	13	7	574
170, 760	Moore, Gideon E., Jersey City, N. J., assignor to Passaic Zinc Company. Distilling zinc from its ores	Dec. 7, 1875	97	.....	8	963
158, 859	Moore, Gilpin, Moline, Ill. Gang-plow	Jan. 19, 1875	487	164	7	167
164, 929	Moore, Gilpin, Rock Island, Ill. Sulky-plow	June 23, 1875	1056	340	7	1166
161, 622	Moore, Gilpin, and George Carkendall, assignors to Deere & Co., Moline, Ill. Plow-iron	June 1, 1875	154	55	7	952
163, 682	Moore, Hartwell R., Erie, Pa. Reed-organ attachment	May 25, 1875	918	292	7	898
171, 527	Same. Same	Dec. 28, 1875	8 3	{ 282 } { 283 }	8	1089
161, 699	Moore, Henry A., Brooklyn, N. Y. Chair-seat	Apr. 6, 1875	93	33	7	582
158, 431	Moore, Henry B. (See White, Albert B., assignor.)	Jan. 5, 1875	67	24	7	19
158, 432	Moore, Hiram, Green Lake Township, Wis. Corn-planter	Jan. 5, 1875	68	24	7	19
	Same. Grass-seed sower					
	Moore, J. A., et al. (See Kline, Jacob, assignor) (Reissue.)					
	Moore, J. Addison, et al. (See Kline, Jacob, assignor.)					
171, 158	Moore, James A. (See Wallis, John N. and Theodore, assignors.)	Dec. 14, 1875	479	157	8	1021
	Moore, James A., Kewanna, Ind. Swinging gate					
	Moore, James C., et al. (See Gordon, William J., assignor.)					
	Moore, James C. (See Martin & Moore.)					
170, 883	Moore, James C., Philadelphia, Pa. Cuspadore	Dec. 7, 1875	199	69	8	977
	Moore, James D. (See Hiron & Moore.)					
	Same. (See Stickle, Parker & Moore.)					
158, 647	Moore, James G., Lishon, N. H. Machine for making excelsior	Jan. 12, 1875	278	93	7	63
164, 039	Moore, James L., assignor of one-third interest to Edwin B. Munson, Stratford, Conn. Paper box	June 8, 1875	253	87	7	976
	Moore, James P., Cleveland, Ohio. Package for ethylene	Oct. 5, 1875	20	8	8	567
168, 340	Moore, John C., Madison, Ind., assignor of one-half interest to Henry B. Gibson, Cincinnati, Ohio. Car-starter	Feb. 16, 1875	511	171	7	268
166, 129	Moore, John, Brooklyn, N. Y. Reversible latch	July 27, 1875	989	{ 305 } { 306 }	8	181
167, 266	Same. Knob-rose	Aug. 31, 1875	1068	333	8	382
	Moore, John A. (See Young & Davis, assignors.)					
167, 852	Moore, John A., Providence, R. I. Stove	Sept. 21, 1875	451	143	8	486
167, 460	Moore, John H., Fisherville, N. H. Loom-shuttle binder	Sept. 7, 1875	70	22	8	416
170, 011	Same. Let-off mechanism for looms	Nov. 16, 1875	685	215	8	839
160, 536	Moore, John R., and James G. Mills, Chicago, Ill. Machine for patching railway-rails	Mar. 9, 1875	266	90	7	395
160, 537	Moore, Jonas, Chicago, Ill. Overalls	Mar. 9, 1875	297	91	7	396
160, 538	Same. Bricklayer's vest	Mar. 9, 1875	268	91	7	396
165, 029	Moore, Jonathan, jr., Brooklyn, assignor to J. L. Mott Iron Works, New York, N. Y. Stove-grate	June 29, 1875	1129	364	7	1116
159, 439	Moore, Joseph, San Francisco, Cal. Joint for sheet-metal pipes	Feb. 2, 1875	179	61	7	209
161, 653	Moore, Myron E., Auburn, Me. Ironing-board	Mar. 23, 1875	750	247	7	478
170, 884	Moore, Nelson A., Kensington, Conn. Smoke-drum and water-heater	Dec. 7, 1875	260	69	8	977
171, 303	Moore, Peter C., La Fayette, Ohio. Corn-stalk knife	Dec. 21, 1875	640	210	8	1020
166, 024	Moore, Richard H., Groesbeck, Ohio. Railway-signal	July 27, 1875	887	274	8	167
6, 374	Moore, Samuel C., Boston, Mass., assignor, by mesne assignments, to Benedict & Burnham Manufacturing Company, Waterbury, Conn. Lamp (Reissue.)	Apr. 13, 1875	493	163	7	617
160, 342	Moore, Samuel H., Chicago, Ill. Corn-sheller	Mar. 2, 1875	77	27	7	359
	Moore, Sidney. (See Kent & Moore.)					
	Moore, Stephen. (See Rogers, Homer, assignor.)					
161, 811	Moore, Stephen and George F., assignors to Stephen Moore and Homer Rogers, Sudbury, Mass. Mechanism for feeding heel-stiffeners or counter-blanks	Apr. 6, 1875	192	65	7	596
163, 231	Moore, Stephen, assignor to self and Homer Rogers, South Sudbury, Mass. Machine for dividing counter of heel-stiffener blanks	May 11, 1875	476	154	7	816
159, 036	Moore, Theodore F., Oswego, assignor of two-thirds interest to Luther S. Wright and Robert B. Linderman, Groton, N. Y. Sleigh	Jan. 26, 1875	683	225	7	140
162, 250	Moore, Thomas T., assignor of one-half interest to David E. Bradley, Chicago, Ill. Fire-shield	Apr. 20, 1875	612	199	7	669
169, 466	Moore, Thomas T., and David E. Bradley, Chicago, Ill.; said Moore assignor to said Bradley. Fire-shield	Nov. 2, 1875	131	42	8	753
163, 939	Moore, Thomas W., Plainfield, N. J. Combined table and desk	June 1, 1875	81	28	7	942
	Moore, William, et al. (See Hooker, John, assignor.)					
171, 489	Moore, William N., deceased, by William A. Strong, jr., administrator, Joliet, Ill. Cooper's barrel-heater	Dec. 28, 1875	825	271	8	1084
158, 728	Moorwood, Thomas P., Sheffield, Great Britain. Ingot-mold	Jan. 12, 1875	316	118	7	73
165, 696	Morahan, Bernard, Brooklyn, N. Y. Mouth-piece for tobacco-pouches	July 13, 1875	461	141	8	81
171, 580	Same. Frying-pan	Dec. 28, 1875	911	298	8	1096
166, 881	Moran, Thomas, New York, N. Y. Shade-holder	Aug. 17, 1875	680	211	8	312
166, 544	Morand, Augustus, Germantown, Pa. Brick-machine	Aug. 10, 1875	348	107	8	256
168, 765	Same. Method of drying and burning brick, &c.	Oct. 1, 1875	430	.....	8	636
170, 761	Same. Brick-machine	Dec. 7, 1875	100	31	8	963
174, 627	Same. Brick-kiln	Dec. 23, 1875	970	314	8	1104
167, 853	Morand, William, Troy, N. Y. Turn-button for stove-doors	Sept. 21, 1875	452	143	8	456
170, 488	Morehouse, Charles L., Cleveland, Ohio. Oil-press	Nov. 30, 1875	1160	366	8	920
	Morell, James F. (See Brooks & Morell.)					
6, 420	Morey, David, Watsonville, Cal. Straw-feeding attachment for furnaces (Reissue.)	May 4, 1875	252	81	7	780
171, 159	Morey, John D., Philadelphia, Pa. Shaft coupling for vehicles	Dec. 14, 1875	480	157	8	1021
161, 893	Morey, Seth J., Clayton, Ill. Washing-machine	Apr. 13, 1875	278	94	7	620
163, 601	Morgan, Charles F., Cleveland, Ohio. Game and other boards	May 25, 1875	854	269	7	889
169, 652	Morgan, Charles G., Bristol Station, Ill. Liquid-measure	Nov. 9, 1875	349	104	8	786
163, 511	Morgan, Charles H., Worcester, Mass. Water-pressure crane	May 18, 1875	735	249	7	869
	Morgan, David, et al. (See Morgan, Theophilus D., assignor.)					
159, 276	Morgan, Dayton S., and Thomas Motley, assignors to Dayton S. Morgan, Brockport, N. Y. Harvester-rake	Feb. 2, 1875	30	10, 11	7	168
159, 277	Same. Mowing-machine	Feb. 2, 1875	31	11, 12	7	169
168, 046	Morgan, Edmond, assignor to self and L. Lovell Lawrence, Dublin, Ind. Corn-planter	Sept. 21, 1875	620	198	8	511
169, 283	Morgan, Edmond, assignor to self and Wayne Agricultural Company, Dublin, Ind. Feeding mechanism for grain-drills	Oct. 26, 1875	935	303	8	719
	Morgan, Elias F. (See Lester, John H., assignor.)					
	Morgan, Elias M. (See Reutcher & Morgan.)					
160, 611	Morgan, Elias M., assignor to Henry Reutcher, Belleville, Ill. Seed-dropper	Mar. 9, 1875	330	111	7	405



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165, 750	Morgan, Elijah C., Valdosta, Ga. Corn-sheller.....	July 20, 1875	606	186	8	117
	Morgao, George C. (See Clemens & Morgan.)					
171, 408	Morgan, George H., Uhricksville, Ohio. Type-wheel.....	Dec. 21, 1875	736	{ 241 242 }	8	1063
6, 682	Morgan, Gerry, and Jacob R. Foster, Andover, N. H.; said Foster assignor to said Morgan. Machine for making wedges..... (Reissue)..	Oct. 5, 1875	226	74	8	596
	Morgau, Henry C. (See Starr, Eben T., assignor.)					
	Morgau, Horace A. (See Phillips, Morcan, assignor.)					
167, 461	Morgan, James, Pittsburgh, Pa. Machine for punching boiler-plates.....	Sept. 7, 1875	71	22	8	416
171, 407	Morgan, James, New Orleans, La. Gas-meter.....	Dec. 21, 1875	735	241	8	1063
163, 392	Morgau, John L., Savannah, Ga. Sugar skimmer and cooler.....	May 18, 1875	644	206	7	855
158, 509	Morgan, John S., Hazleton, Ind. Feathering paddle-wheel.....	Jan. 5, 1875	140	47	7	28
8, 703	Morgan, Joseph S., Brooklyn, N. Y. Advertising-desk..... (Design)..	Oct. 5, 1875			8	561
162, 092	Morgan, Lewis B., West Liberty, W. Va. Wagon-brake.....	Apr. 13, 1875	446	148	7	641
164, 198	Morgan, Lyman, Port Washington, Wis. Method of casting.....	June 8, 1875	337	115	7	9e8
163, 795	Morgan, Theophilus D., assignor to self and David Morgan, Pittsburgh, and Hugh McDonald, Allegheny, Pa. Metallurgic furnace.....	May 25, 1875	1014	321	7	911
	Morgan, Thomas R., et al. (See Gracey, Robert, assignor.)					
159, 524	Morgan, William F., assignor to Ames Iron Works, Oswego, N. Y. Doors for feeding straw to furnaces.....	Feb. 9, 1875	287	93	7	231
	Morgan, William G. (See Megill, Edward L., assignor.)					
	Morgan, W. G. (See Wilkison, Lewis, assignor.)					
158, 804	Morrell, James A., New York, N. Y. Meat-cutting apparatus.....	Jan. 19, 1875	438	146	7	101
158, 805	Same..... same.....	Jan. 19, 1875	439	146	7	101
6, 775	Morrill, John H., New York, N. Y. Water-trap supply and connection..... (Reissue)..	Nov. 30, 1875	1325	419	8	942
165, 247	Same..... Floodway for warehouses.....	July 6, 1875	97	29	8	22
168, 405	Same..... Water-trap supply and connection.....	Oct. 5, 1875	77	27	8	576
168, 517	Same..... Floodway for warehouses.....	Oct. 5, 1875	180	58	8	579
169, 722	Same..... Water-supply and vent for traps.....	Nov. 9, 1875	401	126	8	795
159, 111	Morrell, Sidney B., Racine, Wis. Ironing-board.....	Jan. 20, 1875	750	246	7	149
	Morrill, Ozro. (See Reece, John, assignor.)					
166, 289	Morris, Abraham, New York, N. Y. Bed-lounge.....	Aug. 3, 1875	97	30	8	213
164, 978	Morris, Demcy C., New Sharon, Iowa. Car-coupling.....	Apr. 13, 1875	351	118	7	629
164, 583	Morris, Eli, New Haven, Conn. Grinding-machine.....	June 15, 1875	704	229	7	1045
	Morris, James M., et al. (See Miller & Reeves, assignors.)					
	Morris, Moritz, et al. (See Smith, Albert C., assignor.)					
	Morris, Stephen. (See Middleton, Nathan, assignor.)					
	Morris, Tasker & Co. (See Munzinger, Peter, assignor.)					
167, 267	Morris, Thomas M., assignor to self and Freeman Alger, Wabash, Ind. Washiug-machine.....	Aug. 31, 1875	1069	333	8	382
	Morris, William F. (See Heald, George W., assignor.)					
	Morrison, Alonzo A. (See Whitlatch, Isaac J., assignor.)					
163, 513	Morrison, Andrew J., Troy, N. Y. Combined car-ventilator and water-cooler.....	May 18, 1875	757	{ 240 241 }	7	869
	Morrison, C. M., et al. (See Brower, Russell, assignor.)					
162, 187	Morrison, Elbridge G., Haverhill, Mass., assignor to self and Elijah Morrison, Raymond, N. H. Dough-mixer.....	Apr. 20, 1875	553	{ 181 182 }	7	662
	Morrison, Elijah. (See Morrison, Elbridge G., assignor.)					
	Morrison, George H. (See Carver, James W., assignor.)					
163, 512	Morrison, Josiah H., assignor to self, William J. Moat, Charles H. Gould, and William D. Varrell, Portsmouth, N. H. Barrel.....	May 18, 1875	756	240	7	869
	Morrison, Louis M. (See Backcock & Morrison.)					
163, 025	Morrison, Samuel G., Williamsport, Pa. Emery-wheel.....	May 11, 1875	290	94	7	792
163, 879	Same..... Saw for sawing stone.....	June 1, 1875	38	12	7	935
163, 880	Same..... Mode of applying emery to metal surfaces.....	June 1, 1875	38	12	7	935
158, 326	Morrison, William H., Indianapolis, Ind. Reservoir for water-works.....	Jan. 5, 1875	30	10, 11	7	13
167, 012	Morrissey, John H., Indianapolis, Ind. Wrench.....	Aug. 24, 1875	818	254	8	340
168, 275	Morrow, William F., assignor of two-thirds interest to William A. Middleton, Nowville, Pa., and James M. Mason, Washington, D. C. Lifting-jack.....	Jan. 26, 1875	830	273	7	160
160, 696	Morse, Albert F., Sharon, Mass. Shaft-ting.....	Sept. 28, 1875	855	272	8	550
166, 130	Morse, Andrew J., Boston, Mass. Attaching hose to hose-coupling.....	Mar. 9, 1875	404	135	7	415
170, 686	Same..... Hose-coupling.....	July 27, 1875	990	306	8	181
6, 346	Morse, Ben., Ithaca, N. Y. Ticket.....	Dec. 7, 1875	30	9	8	954
161, 812	Morse, Cyrus B., Rhinebeck, N. Y. Ring spinning-frame..... (Reissue)..	Mar. 23, 1875	1015	330	7	512
	Morse, Edmund L., assignor of one-half interest to Jos. W. Branch, Saint Louis, Mo. Press for cotton-bales.....	Apr. 6, 1875	193	65	7	596
163, 327	Morse, Edward, assignor of one-half interest to Joseph A. Lovejoy, Stoneham, Mass. Bathing apparatus.....	May 18, 1875	587	188	7	847
169, 567	Morse, Enoch R., Boston, Mass. Burglar-proof safe.....	Nov. 2, 1875	228	75	8	765
166, 025	Morse, George F., assignor to self and Joseph F. Tobin, New York, N. Y. Toy.....	July 27, 1875	889	274	8	167
	Morse, Henry C., et al. (See Spencer, Albert H., assignor.)					
	Same..... (See Stewart, Alexander W., assignor.)					
165, 493	Morse, James O., Englewood, N. J. Stop-valve.....	July 13, 1875	361	106	8	65
	Morse, L. W., jr. (See Coffin, John E., assignor.)					
	Morse, Oscar F. (See Stevens & Morse.)					
159, 602	Morse, William H., East New York, N. Y. Shoe-blackening case.....	Feb. 9, 1875	345	114	7	240
163, 113	Morsell, Samuel T. G., Washington, D. C. Metallic roofing.....	June 29, 1875	1212	390	7	1128
	Mortimer, Henry. (See Kirkwood & Mortimer.)					
8, 865	Mortimer, John D. D., Chicago, Ill. Pack of playing-cards..... (Design)..	Dec. 21, 1875			8	1034
	Morton, Frank H., et al. (See Whitney, Edwin K., assignor.)					
	Morton, George M., et al. (See Whitney, Edwin K., assignor.)					
168, 171	Morton, John S., Philadelphia, Pa., assignor to Dempsey Wicker Covered Glassware Company. Device for attaching faucets.....	Sept. 28, 1875	761	242	8	537
166, 026	Moschowitz, Herman, New York, N. Y. Air-brake and car-starter.....	July 27, 1875	8e9	275	8	167
161, 262	Moseley, Charles S., assignor of one-tenth interest to National Watch Company, Elgin, Ill. Stem-winding watch.....	Mar. 23, 1875	953	{ 310 311 }	7	504
	Moseley, Jacob H. (See Hearson & Moseley.)					
160, 539	Moses, James, Trenton, N. J. Dish of pottery-ware.....	Mar. 9, 1875	263	91	7	396
169, 653	Moses, Lactus W., Indianapolis, Ind. Tee-weight.....	Nov. 9, 1875	332	105	8	786
165, 494	Moses, William S., Lebanon, N. H. Knock-down bureau and wash-stand.....	July 13, 1875	362	107	8	65
165, 793	Same..... Knock-down bedstead.....	Aug. 17, 1875	599	185	8	301
171, 036	Moses, William S., San Francisco, Cal. Tilting drawer.....	Dec. 14, 1875	257	119	8	1005
169, 186	Mosher, Charles D., Chicago, Ill. Photograph-album.....	Oct. 26, 1875	845	276	8	707
	Mosher, George A. (See Jermain, Louis, assignor.)					
168, 663	Mosher, Samuel E., Chillicothe, Ohio. Lifting-jack.....	Oct. 11, 1875	313	111	8	621

## Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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162, 940	Mosman, Daniel F., Chelsea, Mass. Apparatus for heating feed-water.....	May 4, 1875	188	62	7	772
	Moss, George J. (See Moss, James T. and George J.)					
167, 350	Moss, Henry, Baltimore, Md. Clothes-line fastener.....	Aug. 31, 1875	1141	359	8	393
164, 654	Moss, James T. and George J., Ashborough, Ind. Flooring-clamp.....	June 22, 1875	871	284	7	1076
167, 462	Mossop, George, Philadelphia, Pa. Balanced valve.....	Sept. 7, 1875	72	22	8	416
	Mote, Orrin S. (See Perry & Mote.)					
	Motley, Thomas. (See Morgan & Motley.)					
	Mott, A. M., et al. (See Illingworth, Benjamin, assignor.)					
163, 096	Mott, Henry, assignor to self and John C. Callbreath, Pottsville, Iowa. Leather-punching machine.....	May 11, 1875	352	115	7	801
	Mott Iron Works, J. L. (See Burrows, William, assignor.) (Design.)					
	Mott Iron Works, J. L. (See Gates, Charles C., assignor.)					
	Same..... (See Moore, Jonathan, jr., assignor.)					
	Same..... (See Tweeddale, William, assignor.)					
	Mott, J. D., administrator. (See Hernance, Charles W.)					
	Mott, Jordan L. (See Burrows, William, assignor.)					
	Same..... same. (Reissue.)					
169, 828	Mott, Robert, and Charles Carroll, New Orleans, La. Account-book.....	Nov. 9, 1875	512	160	8	808
161, 813	Mott, Thomas H., New York, N. Y. Calendar movement of clocks.....	Apr. 6, 1875	153	65	7	597
	Moul, Homer, et al. (See Sweet, Daniel F., assignor.)					
171, 160	Moulton, George W., assignor of one-half interest to J. M. Ellis, Bridgeport, Conn. Chuck.....	Dec. 14, 1875	481	157	8	1022
168, 276	Moulton, Lewis A., Old Town, Me. Book-holder.....	Sept. 28, 1875	856	272	8	550
164, 654	Moulton, Nathaniel W., New York, N. Y. Game-table.....	June 22, 1875	779	255	7	1064
169, 568	Moulton, Oliver H., Alexander M. Damon, (deceased.) Laura S. Damon, administratrix, Albany, Vt., and Israel L. G. Rice, Cambridge, said Rice assignor to Charles E. Rice and Retire H. Parker, Boston, Mass. Warper.....	Nov. 2, 1875	229	75	8	765
169, 368	Mountney, William B., Chicago, Ill. Water-meter.....	Nov. 2, 1875	48	14	8	741
	Mowry, John B. (See Cook, Joseph H., assignor.)					
161, 430	Mowbray, George M., North Adams, Mass. Priming for electric fuse.....	Mar. 30, 1875	1127	.....	7	534
161, 431	Same..... Priming for electric fuse, &c.....	Mar. 30, 1875	1128	.....	7	534
161, 432	Same..... Priming for electric blasting, &c.....	Mar. 30, 1875	1128	.....	7	534
162, 676	Same..... Frictional electrical machine.....	Apr. 27, 1875	1024	328	7	729
158, 648	Mower, Henry, Camden, assignor of one-half interest to Miles Blodgett, Sandy Creek, N. Y. Compound for unhairing hides and skins.....	Jan. 19, 1875	279	.....	7	63
169, 829	Mowrer, Martin L., Dayton, Ohio. Tool-grinding machine.....	Nov. 9, 1875	512	161	8	808
163, 881	Mowry, Aaron J., and Henry Chance, Burgoon, Ohio. Weed-turner.....	June 1, 1875	39	13	7	935
	Mowry, Asahel J. (See Wilcoxson, David J., assignor.)					
162, 767	Mowry, Liscom, Minneapolis, Minn. Mode of packing flour.....	Oct. 11, 1875	432	140	8	634
171, 409	Moyer, Alexander L., Sherman, Tex. Ventilator.....	Dec. 21, 1875	737	242	8	1063
165, 681	Moyer, Jacob W., Danville, Pa. Rock-drilling machine.....	July 20, 1875	547	167	8	108
170, 489	Moyers, Harold S., assignor to self and Thomas L. Moyers, Wytheville, Va. Farm-gate.....	Nov. 30, 1875	1162	366	8	920
	Moyers, Thomas L. (See Moyers, Harold S., assignor.)					
159, 955	Muchiu, Matthew, Riga, Russia. Steam-governor.....	Feb. 16, 1875	686	{ 227 228 }	7	291
	Mudge, Carson, et al. (See Bell, A. John, assignor.) (Reissue.)					
166, 714	Mudgett, Joseph H., Camanche, Iowa. Washing-machine.....	Aug. 17, 1875	523	160	8	290
159, 112	Mueller, Andrew, Boston, Mass. Scarf.....	Jan. 26, 1875	750	247	7	149
	Muench, Robert L. (See Singer, Jacob, assignor.) (Reissue.)					
171, 406	Muir, Daniel H., Racine, Wis. Well-drilling apparatus.....	Dec. 21, 1875	734	241	8	1063
163, 097	Muir, Thomas, Glasgow, Scotland. Machine for washing printer's rollers.....	May 11, 1875	353	115	7	801
169, 025	Muir, William, Montreal, Canada. Hatchway-guard.....	Oct. 19, 1875	679	{ 223 224 }	8	676
169, 026	Same..... Self-closing hatchway.....	Oct. 19, 1875	680	224	8	676
	Muir, William K., et al. (See Dick, Andrew, assignor.) (Reissue.)					
167, 618	Mulberry, James C., Grand Rapids, Mich., assignor of one-half interest to Frances A. Barnes. Planer-chuck.....	Sept. 14, 1875	224	70	8	445
	Mulford, Hale & Cottle. (See Cottle, Shubael, assignor.)					
	Same..... (See Stetter, George, assignor.)					
	Mulford, John E. (See Babson & Mulford.)					
	Mulholland, Henry. (See Stacy, George, assignor.)					
	Mulholland Henry, et al. (See Stacy, George, assignor.)					
165, 856	Mullane, Patrick, Davenport, Iowa. Sack-holder.....	July 20, 1875	719	219	8	131
	Mullendorff, Eugen. (See Gresbeck & Mullendorff.)					
	Müller, Hermann. (See Koch & Müller.)					
8, 742	Müller, Hermann J., New York, N. Y. Clock-case..... (Design.)	Oct. 19, 1875	.....	.....	8	645
8, 749	Same..... same..... (Design.)	Nov. 9, 1875	.....	.....	8	777
160, 220	Muller, Peter, Cleveland, Ohio. Garden-sprinkler.....	Feb. 23, 1875	938	303	7	334
8, 557	Muller, William F., New York, N. Y. Clock-case..... (Design.)	Aug. 3, 1875	.....	.....	8	194
	Muller's Sons, Nicholas. (See Kitchelt, Charles, assignor.) (Design.)					
158, 965	Mullett, Alfred B., Washington, D. C. Warming and ventilating apparatus.....	Jan. 19, 1875	591	196	7	120
158, 966	Same..... Construction of prisons.....	Jan. 19, 1875	592	{ 196 197 }	7	120
168, 277	Same..... Fire-proof roof.....	Sept. 23, 1875	856	272	8	550
159, 956	Mullett, Alfred B., and Franz Schumann, Washington, D. C. Construction of jetties for improving river-channels.....	Feb. 16, 1875	687	228	7	291
160, 784	Mulligan, Charles H., Brooklyn, N. Y. Composition for coating burial-caskets.....	Mar. 16, 1875	514	.....	7	436
166, 216	Muldowny, John F., Pittsburgh, and Thomas S. Shaw, Connellsville, Pa. Gage-cock.....	Aug. 3, 1875	29	10	8	203
163, 514	Mumler, William H., Boston, Mass. Process of producing gelatine relief-plates for printing.....	May 18, 1875	758	.....	7	869
	Muncester, Walter J. (See McKaig & Muncester.)					
	Mundell & Co., John, et al. (See White, Hugh, assignor.)					
158, 967	Mundy, Joseph S., Newark, N. J. Friction-drum.....	Jan. 19, 1875	593	197	7	120
159, 344	Munger, Charles W., Peru, Ill. Chianity-top.....	Feb. 2, 1875	95	33	7	197
170, 183	Munger, John W., Portland, Me. Detergent composition.....	Nov. 23, 1875	871	.....	8	871
161, 700	Munger, Wallace T., assignor to P. and F. Corbin, New Britain, Conn. Reversible latch.....	Apr. 6, 1875	94	33	7	582
161, 541	Munn, William B., Camden, N. J. Machine for making lightning-rods.....	Mar. 30, 1875	1235	397	7	548
160, 343	Munroe, Isaac, Peabody, Mass. Shovel.....	Mar. 2, 1875	78	27	7	360
165, 248	Munschauer, George J., Buffalo, N. Y. Coal-vase and fire-iron standard.....	July 6, 1875	94	29	8	22
165, 021	Munson, Aden K., Marysville, Kans. Grain-tally.....	June 29, 1875	1129	365	7	1116
	Munson, Edwin B. (See Moore, James L., assignor.)					
	Same..... (See Reber, James L., assignor.) (Reissue.)					
167, 777	Munson, Frank, and Lewis E. Dick, Buchanan, Mich. Heating drum.....	Sept. 14, 1875	369	117	8	465
	Munson, Shubal. (See Steel & Munson.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 654	Munson, William, assignor of one-third interest to S. D. Kingsley, Scranton, Pa. Toothed roller for coal breakers or crackers.	Nov. 9, 1875	333	105	8	786
169, 723	Muntz, George H. M., Handsworth, England. Machine for making tubing.	Nov. 9, 1875	402	127	8	795
158, 433	Munzinger, Peter, assignor to Morris, Tasker & Co., Philadelphia, Pa. Gas-condenser.	Jan. 5, 1875	69	24	7	19
166, 131	Same. Mouth-piece for gas-retorts.	July 27, 1875	992	306	8	182
167, 555	Same. Dip-pipe of hydraulic gas-mains.	Sept. 7, 1875	154	48	8	428
170, 292	Same. Photometer.	Nov. 23, 1875	967	303	8	884
8, 262	Murch, Chauncey M., Cincinnati, Ohio. Reflector. (Design).	Apr. 13, 1875	.....	.....	.....	610
167, 187	Same. same	Aug. 31, 1875	1002	312	8	373
167, 188	Same. same	Aug. 31, 1875	1003	312	8	373
168, 768	Same. Running-gear for vehicles.	Oct. 11, 1875	432	141	8	634
165, 114	Murch, Thompson H., et al. (See Batchelder, Edwin R., assignor.)	June 29, 1875	1213	370	7	1128
162, 572	Murdoch, Richard, Baltimore, Md. Scale and balance stand.	Apr. 27, 1875	930	259	7	717
167, 463	Murdoch, Charles F., Detroit, Mich. Car-starter.	Sept. 7, 1875	73	22	8	416
160, 540	Murdeck, John, assignor of one-half interest to Ziba Nickerson, Carver, Mass. Attachment for sinks.	Mar. 9, 1875	269	91	7	366
166, 799	Murdock, John, Carver, Mass. Casting pulleys.	Aug. 17, 1875	599	183	8	301
164, 604	Murdock, John G., Cincinnati, Ohio. Hydrant.	June 22, 1875	974	315	7	1059
166, 825	Murley, Eliza D., New York, N. Y. Bearing-surface for spindles.	Aug. 17, 1875	681	211	8	312
166, 826	Same. Preparation for bearing-surfaces for spindles.	Aug. 17, 1875	681	.....	8	312
168, 172	Murgatroyd, Thomas, assignor to sell and Ferdinand Scheen, Saint Joseph, Mo. Car-starter.	Sept. 28, 1875	765	242	8	537
160, 221	Murkland, John W. (See Rice & Murkland.)	Feb. 23, 1875	939	308	7	334
163, 328	Murkland, William, deceased, by John Davis, administrator, Lowell, Mass. Loom. (Extension).	Feb. 4, 1875	.....	.....	7	303
170, 885	Murphy, Alexander A., and Charles C. Hearnle, Montreal, Canada. Fire-extinguisher.	May 18, 1875	588	188	7	848
163, 098	Murphy, Benjamin R., assignor to Charles A. Wade and Samuel Q. A. Burche, Parkersburgh, W. Va. Loom for weaving blinds.	Dec. 7, 1875	200	69, 70	8	977
163, 098	Murphy, Francis, Strcator, Ill. Ventilating apparatus for coal-mines.	May 11, 1875	354	{ 115 } { 116 }	7	801
159, 707	Murphy, George M. (See Jacobsen & Murphy.)	Feb. 16, 1875	513	171	7	268
159, 203	Murphy, Jeremiah H., Opelika, Ala. Can-opener.	Jan. 26, 1875	831	273	7	170
159, 345	Murphy, John, Fond du Lac, Wis. Movable front for buildings.	Feb. 2, 1875	96	33	7	197
161, 433	Murphy, John H., Worcester, Mass. Coal-hod.	Mar. 30, 1875	1129	364	7	534
164, 863	Murphy, John W., Baltimore, Md. Device for increasing traction of locomotives.	June 22, 1875	974	315	7	1089
161, 054	Murphy, Patrick. (See O'Sullivan & Murphy.)	Mar. 23, 1875	751	247	7	478
169, 655	Murphy, Peter, Jersey City, N. J. Stereoscope.	Mar. 23, 1875	751	247	7	478
169, 655	Murphy, Thomas, Detroit, Mich. Grate-bar.	Nov. 9, 1875	333	{ 105 } { 106 }	8	786
168, 518	Murphy, Thomas H., New Orleans, La. Bale-tie.	Oct. 5, 1875	120	58	8	590
170, 446	Same. Device for baling cotton.	Nov. 30, 1875	1121	353	8	914
170, 826	Same. Mat for pressing oil.	Dec. 7, 1875	203	70	8	975
162, 573	Murphy, William, New York, N. Y. Hoop-elevator.	Apr. 27, 1875	931	299	7	718
6, 763	Murr, Lewis. (See Ward, Frank O., assignor.)	Nov. 23, 1875	1101	346	8	904
171, 411	Murray, Edgar, New York, assignor to Charles W. Dunlap, Brooklyn, N. Y. Skate. (Reissue).	Dec. 21, 1875	738	242	8	1903
171, 411	Murray, Erastus H., Saint Paul, Minn. Cooking apparatus.	Apr. 27, 1875	932	209	7	718
162, 574	Murray, Henry S., Andes, N. Y. Milk-cooler.	Apr. 27, 1875	932	209	7	718
167, 556	Murray Iron Works Company. (See Peters, Daniel, assignor) (Reissue)	Sept. 7, 1875	155	48	8	429
8, 746	Murray, John, and John A. C. J. Smith, Philadelphia, Pa. Toy money-box. (Design).	Oct. 19, 1875	.....	.....	8	645
160, 942	Murray, Marsena M., Cincinnati, Ohio. Farm-hox.	Mar. 16, 1875	645	210	7	454
8, 051	Murray, Michael D., Zalmon Gilbert, and Lot Ostrom, Johnston, N. Y.; said Ostrom assignor to said Murray and Gilbert. Glove-box. (Case A. Design).	Feb. 9, 1875	.....	.....	7	223
163, 026	Murray, Orrin. (See Doeg, Issachar W., assignor.)	May 11, 1875	290	94	7	792
171, 410	Murray, Thomas W., assignor of one-half interest to Henry Van Derbeck, New York, N. Y. Bottle-stopper.	Dec. 21, 1875	738	242	8	1903
168, 341	Murray, Worthington. (See Stone & Murray.)	Oct. 5, 1875	20	8	8	567
159, 346	Muse, Daniel S., et al. (See Thrash, Isaac T., assignor.)	Feb. 2, 1875	97	33	7	197
165, 857	Musgrove, Thomas C., Philadelphia, Pa. Boot and shoe heel.	July 20, 1875	730	219	8	131
170, 447	Musgrove, William, New York, N. Y. Portable cover for plants.	Nov. 30, 1875	1122	353	8	915
171, 528	Musiek, Lewis E., Wellsville, Mo. Car-coupling.	Dec. 28, 1875	864	283	8	1029
169, 830	Muskov, Charles, New York, N. Y. Caloric engine.	Nov. 9, 1875	513	.....	8	808
160, 276	Musser, Frank P., Beaver Falls, Pa. Attaching book-supports to arm-chairs.	Nov. 9, 1875	513	.....	8	808
169, 830	Mussgiller, Friedrich C., and Robert W. Schedler, Jersey City Heights, N. J. Treating beer and other liquids.	Nov. 9, 1875	513	.....	8	808
160, 276	Muther, Lorenzo, and Emil Hentschel, assignors to B. W. Phillips and Amos B. Keith, Chicago, Ill. Sewing-machine caster.	Mar. 2, 1875	19	8	7	351
161, 979	Myers, Addison P., Prattsville, N. Y. Milk-cooler.	Apr. 13, 1875	252	118	7	629
163, 796	Myers, Andrew G., Dayton, Ohio. Stuffing-box.	May 25, 1875	1015	322	7	911
159, 604	Myers, Charles K., Pekin, Ill. Harvester.	Feb. 9, 1875	346	115	7	240
158, 387	Myers, Christian, Marysville, Cal. Gang-plow.	Jan. 5, 1875	31	11	7	13
164, 471	Myers, Christian, assignor of one-half interest to George B. Hornish, Marysville, Cal. Plow.	June 15, 1875	611	198	7	1032
159, 603	Myers, Edward. (See Smith & Myers.)	Feb. 9, 1875	346	115	7	240
168, 843	Myers, Francis M., Windsor, Me. Washing-machine.	Oct. 19, 1875	511	167	8	653
167, 923	Myers, George A., Brooklyn, N. Y. Blind-slat adjuster.	Sept. 21, 1875	566	161	8	494
162, 405	Myers, George A., Brooklyn, N. Y. Blind-slat adjuster. (See Gordon, Myers, Telford & Hubbard.)	Sept. 21, 1875	566	161	8	494
162, 405	Myers, Jacob H., Rochester, N. Y., assignor to Hubbard Harvester Company, Minneapolis, Minn. Harvester-rake.	Apr. 20, 1875	760	247	7	628
6, 749	Myers, James H., Montreal, Canada, assignor to Oliver H. Keep, New York, N. Y. Shirt.	Nov. 16, 1875	830	261	8	858
158, 800	Myers, James H., and Samuel Spicer, Goodrich, Mich. Hoop attachment. (Reissue).	Jan. 19, 1875	488	164	7	107
165, 358	Myers, John, Freeport, Ill. Washing-machine.	July 6, 1875	197	59	8	36
165, 359	Myers, John, Cedar Falls, Iowa. Washing-machine.	July 6, 1875	197	59	8	36
158, 388	Myers, R. Westbrook, New York, N. Y. Tilting chair.	Jan. 5, 1875	32	11	7	13

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160, 943	Myers, R. Westerbrook, New York, N. Y. Tilting-chair.....	Mar. 16, 1875	646	211	7	455
166, 402	Same..... Stool.....	Aug. 3, 1875	204	61	8	227
163, 612	Myers, Samuel. (See Coleman & Myers.)					
170, 887	Myers, Samuel C., Pana, Ill. Wagon end-gate.....	Mar. 9, 1875	331	111	7	405
170, 887	Myers, William H., Oregon, Wis. Door-spring.....	Dec. 7, 1875	203	70	8	978
163, 099	Myerson, Thomas, London, England Process of treating blood for the manufacture of manure.....	May 11, 1875	356		7	801
167, 851	Nader, John, Madison, Wis. Drain for gas mains.....	Sept. 21, 1875	453	143	8	486
167, 013	Na term un, Henry, Newort, Ky. Fruit and jelly press.....	Aug. 24, 1875	819	254	8	340
	Nagle, P. W., et al. (See Wemyss, Alexander, assignor.) (Design.)					
	Naglee, Henry M. (See Chaize, Louis, assignor.)					
160, 027	Napier, Henry, New York, N. Y., assignor to James Napier, East Orange, N. J. Hydro-carbon furnace.....	Feb. 23, 1875	774	255	7	310
	Napier, James. (See Napier, Henry, assignor.)					
167, 351	Naramore, Joseph W., Ansonia, Conn. Protector for gas-jets.....	Aug. 31, 1875	1142	359	8	393
168, 101	Nash, Adkins, Logansport, Ind. Grain-drier.....	Sept. 28, 1875	696	240	8	558
161, 434	Nash, Alonzo P., Weymouth, Mass. Cording material for boots and shoes.....	Mar. 30, 1875	1130	364	7	534
163, 751	Nash, Frank W., Plano, assignor of one-fourth interest to William Fraser, Sandwich, Ill. Car-coupling.....	July 20, 1875	607	187	8	117
168, 519	Nash, Henry H., Baltimore, Md. Life-preserving stool.....	Oct. 5, 1875	181	59	8	590
165, 622	Nash, Nathan E., Westery, R. I. Reversible valve-gear.....	July 20, 1875	548	167	8	108
168, 914	Same..... Governor for steam-engines.....	Oct. 19, 1875	579	191	8	662
168, 576	Nash, Thomas T., Philadelphia, Pa. Cutter and cutter-holder.....	Oct. 11, 1875	261	85	8	608
168, 577	Same..... Manufacture of screw-thread cutters.....	Oct. 11, 1875	261	55	8	608
167, 189	Nash, William. (See Kempsball, Eleazer, assignor.)					
	Nason, Charles F., Auburn, Me. Landing-net.....	Aug. 31, 1875	1003	312	8	373
	Nathau & Dreyfus. (See Dreyfus, Isidore, assignor.)					
	National Ballot-Box Company. (See Brooks, Franklin W., assignor.)					
	National Boot and Shoe Tip Company. (See Merrill & Hoitt, assignors.)					
	Same..... same..... (Reissne.)					
	National Fire-Alarm Company. (See McCullough & Anderson, assignors.)					
	National Manufacturing Company. (See Bigelow, Jonah H., assignor.)					
	National Needle Company. (See Berry, John, assignor.)					
	National Tube Works Company. (See Flagler & Brown, assignors.)					
	Same..... (See Flagler & Dodge, assignors.)					
	Same..... (See Matheson, George, assignor.)					
	National Watch Company. (See Moseley, Charles S., assignor.)					
	National Woolen Loom Stop Motion Company. (See Isberwood & Nuttall, assignors.) (Reissue.)					
168, 520	Native, Theodore C., San José, Cal. Chimney-stack.....	Oct. 5, 1875	182	59	8	570
169, 029	Nauen, Otto, New York, N. Y. Needle-case.....	Oct. 19, 1875	683	225	8	676
164, 024	Naughten, James, Cincinnati, Ohio. Sewer-trap.....	June 1, 1875	155	55	7	952
165, 607	Same..... Door-check.....	July 13, 1875	462	141	8	61
166, 290	Nauman, Edward, Uniontown, Ohio. Cultivator.....	Aug. 3, 1875	98	30	8	213
169, 027	Naumann, Gustav A., Saint Louis, Mo. Joiner's clamp.....	Oct. 19, 1875	682	224	8	676
8, 777	Naves, Benjamin W. (See Hastings & Naves.)					
169, 915	Nax, Leonhard, and Franz A. Kuhn, Philadelphia, Pa. Tobacco-pipe..... (Design.)	Nov. 9, 1875			8	776
162, 093	Nay, Moses C., East Boston, Mass. Dust-guard for carriage-wheels.....	Nov. 16, 1875	605	188	8	828
115, 752	Naylor, George W., and Howard T. Jefferis, Philadelphia, Pa. Carpet-rag looper.....	Apr. 13, 1875	446	148	7	641
167, 190	Naylor, James, jr., and Edward Brooks, Rochester, N. Y. Bolt-works for safe and vault doors.....	July 20, 1875	608	187	8	117
164, 199	Naylor, James, jr., and John Greenwood, Rochester, N. Y. Machine for trussing and squaring barrels.....	Aug. 31, 1875	1004	312	8	373
169, 569	Neal, Jacob, Moulton, Iowa. Moth-trap.....	June 8, 1875	337	115	7	988
162, 678	Neal, Thomas H., Philadelphia, Pa. Car-coach.....	Nov. 2, 1875	230	75	8	765
	Neal, Thomas H., assignor of one-half interest to Marcus F. Richardson, Philadelphia, Pa. Means for transmitting the power of stationary engines through the medium of compressed air.....	Apr. 27, 1875	1032	329	7	730
162, 677	Neale, Robert, Brooklyn, N. Y. Plate-printing press.....	Apr. 27, 1875	1028	328 } 329 }	7	729
165, 495	Neamann, Henry, Central City, Colo. Boring and mortising machine.....	July 13, 1875	363	107	8	65
164, 655	Needham & Son, E. P. (See Pain, Robert W., assignor.)					
164, 655	Necley, John W., Petrolia, Pa. Hydrocarbon burner.....	June 22, 1875	780	255	7	1064
164, 584	Neer, William E. (See Denio & Neer.)					
	Neff, David, Indianapolis, Ind. Weather-board gage.....	June 15, 1875	705	229	7	1045
	Neff, Elijah. (See Corey & Neff.)					
	Neff, Peter. (See Fales & Neff.)					
160, 785	Neff, Peter, Gambier, Ohio. Waste-gas burner.....	Mar. 16, 1875	514	166	7	436
160, 786	Same..... Manufacture of lamp-black.....	Mar. 16, 1875	515	167	7	437
160, 787	Same..... Gas-burner for the manufacture of lamp-black.....	Mar. 16, 1875	516	166	7	437
160, 789	Same..... Manufacture of lamp-black.....	Mar. 16, 1875	516	167	7	437
162, 492	Same..... Gas-burner for the manufacture of lamp-black.....	Mar. 16, 1875	518	167	7	437
162, 679	Same..... Apparatus for manufacture of lamp-black.....	Apr. 27, 1875	861	277	7	709
163, 027	Same..... Lamp-black apparatus.....	Apr. 27, 1875	1033	330	7	730
166, 936	Same..... Apparatus for making lamp-black.....	May 11, 1875	291	94	7	793
159, 440	Same..... Lamp-black apparatus.....	Aug. 24, 1875	739	229	8	329
166, 713	Neff, Peter, Gambier, and Levi S. Fales, Cincinnati, assignors to the Kokosing Oil Company, Ohio. Apparatus for the manufacture of carbon or lamp-black.....	Feb. 2, 1875	180	61	7	209
167, 014	Negley, Edward C. and Robert H., and John T. Cunningham, Pittsburgh, Pa. Apparatus for the manufacture of ice.....	Aug. 17, 1875	522	160	8	289
	Negley, Robert H. (See Negley & Cunningham.)					
159, 037	Neider, Frederick A., Madison, Ind. Buckle-loop.....	Aug. 24, 1875	819	254	8	341
	Neidlich, Charles. (See Noland & Neidlich.)					
168, 173	Neil, John, Chicago, Ill. Chain-pump bucket.....	Jan. 26, 1875	684	225	7	140
171, 412	Neilson, Charles H., et al. (See White, William H., assignor.)					
159, 703	Neibach, Joseph B., Utica, N. Y. Cradle.....	Sept. 28, 1875	765	242	8	538
159, 704	Neigh, Charles, sr., Hope, Ind. Buck-beard.....	Dec. 21, 1875	739	243	8	1044
159, 294	Nellis, Aaron J., Pittsburgh, Pa. Machine for painting bale-ties.....	Feb. 9, 1875	436	146	7	233
161, 980	Same..... Bale-tie.....	Feb. 9, 1875	437	146	7	233
161, 814	Nellis, James, assignor to self and Charles McIntosh, Ypsilanti, Mich. Shaft-support.....	Jan. 26, 1875	832	273	7	161
163, 797	Nelson, George, Livingston, assignor of one-half interest to Henry C. Pedigo, Woodville, Tex. Wheel for vehicles.....	Apr. 13, 1875	353	118	7	629
	Nelson, Henry G., Prairieville, Mich. Fly or insect trap.....	Apr. 6, 1875	195	66	7	597
	Nelson, James, Sunderland, England. Device for rounding the ends of bolts.....	May 25, 1875	1015	322	7	911
	Nelson, John. (See Burson & Nelson.)					



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8, 144	Ney, Elemir J., Dracut, Mass., assignor to Hartford Carpet Company, Hartford, Conn. Carpet (Design).....	Feb. 23, 1875			7	302
8, 145	Same.....	Feb. 23, 1875			7	302
8, 146	Same.....	Feb. 23, 1875			7	302
8, 147	Same.....	Feb. 23, 1875			7	302
8, 148	Same.....	Feb. 23, 1875			7	302
8, 149	Same.....	Feb. 23, 1875			7	302
8, 150	Same.....	Feb. 23, 1875			7	302
8, 151	Same.....	Feb. 23, 1875			7	302
8, 535	Same.....	July 27, 1875			8	149
8, 536	Same.....	July 27, 1875			8	149
8, 537	Same.....	July 27, 1875			8	149
8, 538	Same.....	July 27, 1875			8	149
8, 539	Same.....	July 27, 1875			8	149
8, 540	Same.....	July 27, 1875			8	149
8, 541	Same.....	July 27, 1875			8	149
8, 542	Same.....	July 27, 1875			8	149
8, 543	Same.....	July 27, 1875			8	149
8, 544	Same.....	July 27, 1875			8	149
8, 545	Same.....	July 27, 1875			8	149
8, 687	Same.....	Oct. 5, 1875			8	510
169, 656	Ney, John, jr., Ellice, assignor to self and Aaron Ely, Berlin, Canada. Machine for catching Colorado bugs.....	Nov. 9, 1875	335	106	8	766
170, 185	Neynaber, Adolphus F. W. and William F. A., New York, N. Y. Pill-coating machine.....	Nov. 23, 1875	872	273	8	871
162, 094	Nichol, Thomas M., Sparta, Ill. Gang-plow.....	Apr. 13, 1875	447	149	7	642
150, 705	Nicholls, D. P., et al. (See Thomas & Parker, assignors.) Organ pneumatic action.....	Feb. 9, 1875	438	147	7	253
166, 887	Nichols, Albert T., Williamsport, Pa. Sawing-machine.....	Aug. 17, 1875	682	211	8	312
170, 584	Nichols, Charles B., Troy, Pa. Grain-separator.....	Nov. 30, 1875	1251	394	8	932
162, 683	Nichols, G. Clarke, Binghamton, N. Y. Clamp for cement-pipes.....	Apr. 27, 1875	1037	331	7	730
169, 570	Nichols, George, Brooklyn, N. Y. Blind-st. adjuster.....	Nov. 2, 1875	231	76	8	708
149, 028	Nichols, George E., Memphis, Tenn. Combined desk and baggage-check box.....	Oct. 19, 1875	682	224	8	676
158, 863	Nichols, Gordon W., Chicago, Ill. Pneumatic dental pluggers.....	Jan. 19, 1875	491	165	7	107
162, 251	Nichols, Henry S., Lynn, Mass. Interfering-pad for horses.....	Apr. 20, 1875	613	200	7	670
163, 468	Nichols, James H., Boston, Mass. Tailor's pattern.....	Nov. 2, 1875	133	12, 43	8	753
161, 265	Nichols, John A. (See Piper & Nichols.) Sewing-machine shuttle.....	Mar. 23, 1875	956	311	7	504
168, 321	Nichols, John M., Nashua, N. H. Wax thread sewing-machine.....	Oct. 5, 1875	183	59	8	590
170, 992	Nichols, Norris, et al. (See Horton, William H., assignor.) Prepared leather.....	Dec. 14, 1875	290	98	8	997
166, 625	Nichols, Reuben E., Philadelphia, Pa. Permanent way for railways.....	Aug. 10, 1875	420	130	8	266
164, 500	Nichols, Robert C., Boston, Mass. Fastenings for wearing-apparel.....	June 8, 1875	338	116	7	988
162, 682	Nichols, S. B., et al. (See Thomas & Parker, assignors.) Revolving chime-bell.....	Apr. 27, 1875	1036	336	7	730
158, 861	Nichols, William T., Chicago, Ill. Road-scraper.....	Jan. 19, 1875	489	164, 165	7	107
160, 458	Nicholson File Company. (See Nicholson, William T., assignor.) Window-ventilator.....	Mar. 2, 1875	181	63	7	374
171, 241	Nicholson, John, jr., Pittsburgh, Pa. Glass-furnace.....	Dec. 21, 1875	584	192	8	1043
158, 862	Nicholson, John, jr., assignor to Ragot De Montlureux Gas Company, Pittsburgh, Pa. Reverberating furnace.....	Jan. 19, 1875	490	165	7	107
164, 656	Nicholson, William T., assignor to Nicholson File Company, Providence, R. I. Apparatus for tempering files.....	June 23, 1875	781	256	7	1064
169, 832	Nickel, Charles. (See Hipp, Welagen & Nickel.) Barber's shears.....	Nov. 9, 1875	515	161	8	800
6, 486	Nickerson, Samuel, Gallatin, Tenn. Means for pumping wells.....	June 15, 1875	749	244	7	1051
162, 406	Same.....	Apr. 20, 1875	763	247	7	688
164, 656	Same.....	June 23, 1875	872	284	7	1076
167, 683	Nickerson, Maranda R., and Nathan M. Tripp, South Warcham, Mass. Baby-walker.....	Sept. 14, 1875	279	88	8	453
165, 116	Nickerson, Ziba. (See Murdock, John, assignor.) Lamp-chimney.....	June 29, 1875	1215	391	7	1193
164, 266	Nichau, Friedrich W., Saint Louis, Mo. Piano-forte agraffo.....	Mar. 23, 1875	957	312	7	501
166, 291	Nichsen, Christen, South Brooklyn, N. Y. Vehicle-spring.....	Aug. 3, 1875	98	30	8	243
158, 968	Nielsen, Waldemar B., Malmo, Sweden. Machine for cutting splints for matches.....	Jan. 19, 1875	594	197	7	121
158, 969	Niermann, Henry, and Frederick Schlechter, Saint Louis, Mo. Washing-machine.....	Jan. 26, 1875	595	198	7	121
166, 475	Niles, Samuel D., et al. (See Bonney, William A., assignor.) Process of manufacturing articles from horn and hoof.....	Aug. 10, 1875	295		8	248
164, 866	Nilson, Nils, Minneapolis, Minn. Car-coupling.....	June 22, 1875	978	316	7	1089
160, 944	Niman, James A., et al. (See Stevens, William K., assignor.) Meat-chopper.....	Mar. 16, 1875	647	211	7	455
163, 798	Nittinger, August, jr., Philadelphia, Pa. Carriage-jack.....	May 25, 1875	1017	322	7	911
163, 602	Nittinger, Henry E., assignor to Samuel Nittinger, Philadelphia, Pa. Crimping-machine.....	May 23, 1875	854	269	7	889
160, 222	Noble, Charles, assignor to Charles Noble, M. D., Charles Noble, and Francis P. Nicholson, Philadelphia, Pa. Heating-stove.....	Feb. 23, 1875	940	309	7	334
170, 888	Noble, Edmund D. (See Wilson & Noble.) Kitchen utensil.....	Dec. 7, 1875	294	71	8	978
158, 510	Nobles, Milton V., deceased, by John C. Clark, administrator, and assignor to Elmira Steam Engine Company, Elmira, N. Y. Reciprocating steam-engine.....	Jan. 5, 1875	141	47	7	28

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160, 344	Nodine, Alonzo, <i>et al.</i> (See Nodine, Frederick J., assignor.) Nodine, Charles, <i>et al.</i> (See Nodine, Frederick J., assignor.) Nodine, Frederick J., assignor to Charles, Alonzo, and Robert H. Nodine, Brooklyn, N. Y. Rubber-covered snaffle-bit.....	Mar. 2, 1875	78	27	7	360
160, 030	Nodine, Robert H., <i>et al.</i> (See Nodine, Frederick J., assignor.)					
162, 407	Nodle, George G., New Berlin, Ohio. Sash-fastener.....	Oct. 19, 1875	684	225	8	677
166, 801	Noe, Andrew J., Mitchell, Ind. Lard and cheese press.....	Apr. 20, 1875	763	247	7	688
159, 605	Noe, Charles L., Bergen Point, N. J. Traverse-motion.....	Aug. 17, 1875	601	186	8	301
	Noell, Chesley T., assignor to self and Uriel Griffith, Clarksville, Mo. Hay-gatherer.....	Feb. 9, 1875	347	115	7	241
	Nogel, Edwin C., <i>et al.</i> (See Raw, John W., assignor.)					
	Nolan, George. (See Bohet, Adolph L., assignor.)					
159, 205	Nolan, Patrick W., New York, N. Y. Folding chair.....	Jan. 26, 1875	833	274	7	161
163, 233	Noland, John, and Charles Neidich, Oil City, Pa. Coffee-pot and tea-pot.....	May 11, 1875	477	155	7	817
171, 306	Nolin, Ernest J., Chicago, Ill. Envelope.....	Dec. 21, 1875	644	211	8	1051
171, 307	Nolton, Lyman, Hillsdale, Mich. Carpet-stretcher.....	Dec. 21, 1875	644	211	8	1051
159, 706	Noonan, Burnett J., Charleston, Mo. Nut-lock.....	Feb. 9, 1875	439	147	7	233
163, 393	Noonan, Edward, La Salle, Ill. Truck for brick-yards.....	May 18, 1875	645	206	7	855
166, 133	Noonan, Timothy, Boston, Mass. Spring-bottom for chairs.....	July 27, 1875	994	307	8	182
163, 940	Norcross, Joseph W., East Boston, Mass. Mast and sail of vessels.....	June 1, 1875	85	29	7	942
163, 941	Same.....Construction of vessels.....	June 1, 1875	86	29	7	943
8, 152	Nordmann, Henry, New York, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet.....	Feb. 23, 1875			7	302
8, 153	Same.....same.....(Design).....	Feb. 23, 1875			7	302
8, 154	Same.....same.....(Design).....	Feb. 23, 1875			7	302
8, 155	Same.....same.....(Design).....	Feb. 23, 1875			7	302
8, 156	Same.....same.....(Design).....	Feb. 23, 1875			7	302
8, 157	Same.....same.....(Design).....	Feb. 23, 1875			7	302
8, 158	Same.....same.....(Design).....	Feb. 23, 1875			7	302
8, 159	Same.....same.....(Design).....	Feb. 23, 1875			7	302
164, 585	Nordstrom, Gustavus V., and George S. Hutchings, Boston, Mass. Organ-valve.....	June 15, 1875	706	230	7	1045
162, 408	Nordyke, Addison H., Richmond, Ind. Bolting-reel.....	Apr. 20, 1875	764	247	7	688
	Norman, Henry. (See Haeblen & Norman).....(Design).....					
6, 283	Norman, James, North Springfield, Mo. Tool for dressing millstones.....(Reissue).....	Feb. 9, 1875	475	159	7	259
170, 889	Norman, Leslie R., Saint Louis, Mo. Indicator-lock.....	Dec. 7, 1875	205	71	8	978
169, 369	Norris, Albion K., Chicago, Ill. Carrying-jack.....	Nov. 2, 1875	49	15	8	741
165, 360	Norris, Charles F., and Peter J. Hickey, New York, N. Y. Bung for barrels.....	July 6, 1875	198	59	8	36
167, 015	Norris, Daniel W., and Newell E. Woods, Elgin, Ill.; said Norris assignor to Frank Woods, Pittsburgh, Pa. Wringer.....	Aug. 24, 1875	820	255	8	341
169, 833	Norris, Frederick, and Clayton E. Sweet, Wappinger's Falls, N. Y. Truss.....	Nov. 9, 1875	515	161	8	809
	Norris, George S. (See Gray, John J., assignor.)					
158, 511	Norris, George S., Baltimore, Md. Carpet-sweeper.....	Jan. 5, 1875	142	48	7	29
164, 201	Norris, John B., Marcus M. Bowers, and William C. Dimmock, Richmond, Va. Plow.....	June 8, 1875	338	116	7	988
165, 361	Norris, Robert, assignor of one-half interest to Cornwall and Wallace Kirkpatrick, Anna, Ill. Lamp-climber.....	July 6, 1875	199	60	8	36
	Norris, William R. (See Howes, Orson G., assignor).....(Reissue).....					
	North & Co., O. B. (See Dudley, Charles, assignor.)					
	North and Judd Manufacturing Company. (See Judd, Lorin F., assignor.)					
164, 757	North, Charles H., Somerville, Mass. Cooler and condenser or heater.....	June 22, 1875	872	284	7	1076
165, 172	Same.....Fertilizer.....	July 6, 1875	30		8	12
	North, F. H. (See Pillard, Oliver E., assignor.)					
162, 409	North, John, Southington, Conn. Steam-pump.....	Apr. 20, 1875	765	248	7	688
161, 630	North, William C., Cleveland, Ohio. Ventilating-faucet.....	Apr. 6, 1875	36	14	7	574
169, 284	Same.....Faucet.....	Oct. 26, 1875	936	304	8	719
8, 704	Northrup, Frank, assignor to self and Robert A. Little, Detroit, Mich. Provision-safes.....	Oct. 5, 1875			8	561
170, 638	Northrup, Henry S., Quasqueton, Iowa. Pearl-barley mill.....	Nov. 30, 1875	1304	412	8	939
	Northrup, Siles S. (See Thorson, Lewis E., assignor.)					
163, 683	Norton, Arthur C., Monona, Iowa. Clamp for grinding watch-crystals.....	May 25, 1875	919	292	7	898
166, 134	Norton, Charles, Philadelphia, Pa. Punching-machine.....	July 27, 1875	994	307	8	182
	Norton, Edward M., <i>et al.</i> (See Roberts, Edward J., assignor.)					
163, 394	Norton, Edwin, Chicago, Ill. Spice-box.....	May 18, 1875	645	206	7	855
163, 395	Same.....Packing cigars.....	May 18, 1875	646	207	7	855
164, 472	Norton, Jabez E., assignor to Taylor and Farley Organ Company, Worcester, Mass. Organ-reed.....	June 15, 1875	612	198	7	1032
164, 867	Norton, James, Middlebury, Vt. Wrench.....	June 22, 1875	979	316	7	1069
163, 799	Norton, James L., London, assignor to Gerald Hopper, Camberwell, England. Loom.....	May 25, 1875	1017	{ 322 } { 323 }	7	911
166, 292	Norton, Lorenzo B., New Haven, Conn. Reed-organ stop-action.....	Aug. 3, 1875	99	31	8	213
160, 838	Norton, Mason S., assignor to Jesse E. Harriman, Bangor, Mo. Machine for sawing laths.....	Mar. 16, 1875	557	181	7	442
164, 930	Norton, Oris, New Britain, Conn. Manufacture of shears.....	June 29, 1875	1058	340	7	1107
	Norwalk Lock Company. (See Elwell, Henry H., assignor.)					
167, 192	Norwood, Granville M., Beverly, Mass. Solution for cleaning gold, silver, &c.....	Aug. 31, 1875	1006		8	374
161, 701	Norwood, John E., Boston, Mass. Bench-plane.....	Apr. 6, 1875	95	33	7	583
	Notbohm, Edward C. (See Notbohm, Harman F., assignor.)					
167, 619	Notbohm, Harman F., assignor of one-half interest to Edward C. Notbohm, Milwaukee, Wis. Middlings-purifier.....	Sept. 14, 1875	225	70	8	445
163, 234	Noteman, Barton P., Olathe, Kans. Spring bed-bottom.....	May 11, 1875	478	155	7	817
165, 117	Nott, Aaron B., assignor of part interest to D. and William J. Frawley, G. H. Bowen, and William Rounselle, Fairhaven, Mass. Combined fork and skimmer.....	June 29, 1875	1215	391	7	1128
	Nottingham, Thomas J. (See Frisbee, John L., assignor.)					
160, 459	Nottingham, T. J., Cincinnati, Ohio. Gage-cock.....	Mar. 2, 1875	182	63	7	374
	Novelty Paper Box Company. (See Heyl & Brehner, assignors).....(Reissue).....					
169, 188	Novinsky, Joseph, assignor of one-half interest to Mathias Swchla, Chicago, Ill. Tray for beer-glasses, &c.....	Oct. 26, 1875	847	276	8	708
162, 410	Nowotny, Franz S. W., Dresden, Saxony. Locomotive running-gear.....	Apr. 20, 1875	766	249	7	688
	Noxon, B. Davis. (See Otto, Carl C. F., assignor.)					
	Noyes, Baxter B. (See Stratton & Noyes.)					
162, 301	Noyes, George E., Washington, D. C. Ore-crusher.....	Apr. 20, 1875	657	214	7	675
	Noyes, J. W. <i>et al.</i> (See Bell, A. John, assignor).....(Reissue).....					
161, 817	Noyes, La Verne W., Springville, Iowa. Farm-gate.....	Apr. 6, 1875	197	66	7	597
	Noyes, Person. (See Kidder, Moses W., assignor.)					
167, 778	Noyes, Warren, Gorham, N. H. Cartridge-loading device.....	Sept. 14, 1875	369	117	8	465
171, 037	Nugent, Edward, Brooklyn, N. Y. Screw-threading machine.....	Dec. 14, 1875	258	119	8	1005

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166, 715	Nugent, Richard C., assignor of two-thirds interest to William R. Spickler and Henry H. Hendrick, Dayton, Ohio. Machine for turning flanges on boiler-heads	Aug. 17, 1875	524	160	8	290
166, 716	Nugent, Richard C., assignor of one-half interest to George W. Hogen and Charles E. Pease, Dayton, Ohio. Screw-cutting die	Aug. 17, 1875	525	161	8	290
158, 729	Numeyer, Henry, Millerstown, Pa. Hand fire-engine	Jan. 12, 1875	349	118	7	73
165, 249	Nunn, Lucien L. (See King & Nunn.)					
	Nunnelee, James D. L., Centreville, Tenn., and Wellington H. Kelsey, Booneville, Miss. Haime.	July 6, 1875	99	29	8	22
166, 027	Nutsford, William G., and William Glasgow, Chicago, Ill. Rotary hair-brush	July 27, 1875	890	275	8	167
168, 175	Nutt, John A. (See Annin & Nutt.)					
	Nutt, Joseph, Danbury, Conn. Hat-poncing roll	Sept. 28, 1875	766	243	8	538
	Nuttall, Isaac. (See Stevenson & Nuttall.)					
	Nuttall, William. (See Isherwood & Nuttall.)					
161, 631	Nutting, George E., and Joseph C. Githens, New York, N. Y. Steam rock-drill	Apr. 6, 1875	37	14	7	574
162, 302	Same..... Tripod for steam rock-drills	Apr. 20, 1875	658	{ 214 215 }	7	675
167, 464	Nutting, Rufus, Wheaton, Ill. Fly-trap	Sept. 7, 1875	74	23	8	416
169, 916	Same..... Lantern	Nov. 16, 1875	606	188	8	828
	Nuttman, James E. (See Cook, Thomas, assignor.)					
	Nye, Anselm T., jr. (See Hancock, Thomas, assignor.)					
169, 726	Nye, Asa, jr., Boston, Mass. Feed-bag for horses	Nov. 9, 1875	407	129	8	796
165, 683	Nye, Charles H., New York, N. Y., and Edward Zapf, assignors to Henry Nye, Cincinnati, Ohio. Conductor's punch	July 20, 1875	549	167	8	108
	Nye, Francis C. (See Foster, John T., assignor.)					
	Nye, Henry. (See Nye & Zapf, assignors.)					
163, 396	Nye, Jacob B. and John W. B., Swatara Post Office, Pa. Feed-cutter	May 18, 1875	646	207	7	855
	Nye, John W. B. (See Nye, Jacob B. and John W. B.)					
170, 762	Nye, Joseph W., Lynn, Mass. Seat for bath-tubs	Dec. 7, 1875	101	32	8	964
6, 678	Nye, Sherman R., Winchendon, Mass. Horse-rake	Oct. 5, 1875	222	72	8	595
6, 679	Nye, Sherman R., assignor to self and Andrew B. Barnard, Winchendon, Mass. Horse-rake	Oct. 5, 1875	223	72, 73	8	595
165, 173	Nye, William L., Boston, Mass. Machine for stringing tags	July 6, 1875	31	9	8	12
167, 917	Nystrom, John W., Philadelphia, Pa. Burning hydrocarbon	Sept. 14, 1875	280	88	8	453
	Same..... Eye-piece for telescopes	Nov. 16, 1875	608	188	8	829
159, 113	Oak, Elexander. (See Wieterhold & Oak.)					
166, 217	Oakes, Hildebrand H., Mineral Hill, Nev. Quicksilver-strainer	Jan. 26, 1875	751	247	7	149
	Oakley, John M., assignor of one-half interest to John Keating, Brooklyn, N. Y. Washing-machine	Aug. 3, 1875	30	10	8	303
164, 321	Oatman, Charles D., New York, N. Y. Folding chair	June 8, 1875	457	151	7	1003
6, 225	Oberchain, Washington, Logansport, Ind. Balanced slide-valve	Jan. 12, 1875	396	134	7	79
165, 406	Ober, Franklin S., Washington, D. C., assignor to self and Walton Brothers, New York, N. Y. Ratchet-wrench	Oct. 5, 1875	78	27	8	576
	Ober, Grauville R., et al. (See Arms, John L., assignor.)					
165, 684	Ober, Reuben H., Garrettsville, Ohio. Chair-spring attachment	July 20, 1875	550	168	8	108
158, 730	Oberndorf, Abraham, jr., and Ernest Frank, Baltimore, Md. Fire-escape ladder	Jan. 12, 1875	350	119	7	73
	O'Brien Brothers Manufacturing Company. (See O'Brien, William S., assignor.) (Reissue.)					
171, 242	O'Brien, James H., Pittsburgh, Pa. Horse-detaching apparatus	Dec. 21, 1875	586	192	8	1043
167, 779	O'Brien, Joseph, Kalamazoo, Mich. Artificial leg	Sept. 14, 1875	370	118	8	466
	O'Brien, Keran. (See Higgins, Charles M., assignor.)					
161, 147	O'Brien, Michael, San Francisco, Cal. Grain-separator	Mar. 23, 1875	842	274	7	489
160, 613	O'Brien, Patrick L., New York, N. Y. Stencil-cutter	Mar. 9, 1875	331	112	7	405
6, 606	O'Brien, William S., Kewanee, Ill., assignor to O'Brien Brothers Manufacturing Company, Harrow	Aug. 24, 1875	945	295	8	358
165, 496	O'Bryan, Terrence, Barnard, Mo. Machine for cutting corn-stalks	July 13, 1875	364	{ 107 108 }	8	66
160, 045	Ockershausen, George P., New York, N. Y. Sugar-cutting machine	Mar. 16, 1875	648	211	7	455
166, 403	Same..... Sugar-sawing machine	Mar. 3, 1875	204	61	8	227
167, 268	O'Connor, Deming L., Covels, Cal. Baling-press	Aug. 21, 1875	1070	333	8	383
164, 322	O'Dell, Abiel, Liverpool, Ohio. Washing-machine	June 8, 1875	458	151	7	1003
163, 515	Odell, Albert P., Oil City, Pa. Oil-car	May 18, 1875	760	241	7	870
164, 460	Odell, Henry, Peckskill, N. Y. Motor	Mar. 2, 1875	182	63	7	374
160, 461	Same..... Motor for churns, &c.	Mar. 2, 1875	183	63	7	375
166, 557	Odell, Levi J., Fairbury, Ill. Check-rower	Sept. 7, 1875	156	49	8	428
158, 512	Odell, Rodney P., jr., Parma Center, assignor of one-half interest to Simeon K. Odell, North Greece, N. Y. Cultivator-tooth	Jan. 5, 1875	141	48	7	29
	Odell, Simeon K. (See Odell, Rodney P., jr., assignor.)					
166, 515	Odell, Thomas L., Iowa Falls, Iowa. Bed-bottom	Aug. 10, 1875	350	107	8	296
168, 664	Same..... Bed-slat	Oct. 11, 1875	343	112	8	621
167, 193	O'Donnell, Timothy, and Edward K. Walker, Exeter, N. H. Stop-motion for cotton-spinning machinery	Aug. 31, 1875	1007	313	8	374
165, 174	O'Donohue, Joseph J., Baltimore, Md. Automatically-cleaning water-closet	July 6, 1875	33	9	8	13
168, 102	Oefelo, Edgar V., München, Germany. Steam-engine	Sept. 28, 1875	697	220	8	528
161, 148	Oehmler, Rudolph C., Allegheny, Pa. Bronze-liquid	Mar. 23, 1875	833	273	7	489
162, 665	Oehlein, John, New York, N. Y. Violin, guitar, &c.	Oct. 11, 1875	343	112	8	621
166, 028	Oesterlein, William, Cincinnati, Ohio. Paper bag	July 27, 1875	891	275	8	167
162, 848	Ofeldt, Frank W., assignor to self and George W. Hall, Newark, N. J. Gas apparatus for carbureting air	May 4, 1875	100	33	7	760
	Ogan, Philip M. (See Robinson, Samuel F., assignor.)					
162, 493	Ogborn, Harrison, Richmond, Ind., and Tunis T. Kendrick, New York, N. Y. Hand corn-planter	Apr. 27, 1875	865	277	7	709
163, 516	Same..... Grain-separator	May 18, 1875	761	241	7	870
163, 603	Ogborn, Harrison, assignor to Samuel Watson, Richmond, Ind. Hog-trap	May 25, 1875	855	270	7	869
163, 684	Ogborn, Harrison, Richmond, Ind., and Tunis T. Kendrick, New York, N. Y. Invalid-bed bottom	May 25, 1875	919	292	7	898
168, 342	Same..... Bedstead	Oct. 5, 1875	21	8	8	567
160, 546	Ogden, Richard L., San Francisco, Cal. Carriage	Aug. 10, 1875	351	108	8	256
	Ogden, William L., et al. (See Kabler, Conrad, assignor.)					
	O'Hara, James. (See Purdy, Zachariah V., assignor.)					
164, 323	O'Hara, Lewis, Oswego, N. Y. Lifting-jack	June 8, 1875	458	151	7	1003
165, 250	O'Hara, Richard C., Houston, Tex. Car-brake	July 6, 1875	99	29	8	22
159, 206	O'Hara, Walter, Fall River, Mass. Covering for boilers, pipes, &c.	Jan. 26, 1875	834	271	7	161
160, 223	Ohm, Ernst, Terre Haute, Ind. Device for hitching horses	Feb. 23, 1875	941	309	7	334
163, 235	Ohm, Henry P., assignor of one-half interest to Alva Hubbard, Baltimore, Md. Fire-place stove	May 11, 1875	479	{ 155 156 }	7	817
163, 800	Same..... Stove-grate	May 25, 1875	1020	323	7	912



Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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168, 773	Ohmer, John F., Dayton, Ohio. Furniture-caster.....	Oct. 11, 1875	437	142	8	634
168, 407	O'Kane, James, New York, N. Y. Marking-impliment.....	Oct. 5, 1875	80	87	8	576
160, 541	Old, James, Pittsburgh, Pa. Fire-place fender.....	Mar. 9, 1875	270	92	7	396
160, 542	Same..... Cooking-range.....	Mar. 9, 1875	270	92	7	396
168, 770	Old, James, Allegheny, Pa. Grate for furnaces.....	Oct. 11, 1875	433	141	8	634
168, 771	Same..... Grate and stove front.....	Oct. 11, 1875	435	141	8	631
164, 668	Olden, William P., Springfield, Ill. Nut-lock.....	June 22, 1875	979	316	7	1089
167, 355	Oldershaw, John B., Baltimore, Md. Heating and ventilating register.....	Aug. 31, 1875	1145	360	8	393
168, 772	Same..... Fire-place heater.....	Oct. 11, 1875	436	142	8	634
162, 188	Oldfield, Edwin, Norwich, Conn. Warp-beam for looms.....	Apr. 20, 1875	554	182	7	662
164, 473	Olds, Barnard L., Highgate, Vt. Horse-power link.....	June 15, 1875	612	198	7	1032
	Olds, Clark. (See Olds, Lewis W. and Clark.)..... (Reissue.)					
6, 543	Olds, Lewis W. and Clark, Erie, Pa. Link for connecting the handles and pitmen of pumps..... (Reissue.)	July 13, 1875	518	158	8	89
168, 103	O'Leary, Arthur J., and John Turner, Chicago, Ill. Machine for welding railway-frogs.....	Sept. 28, 1875	698	220	8	528
	Oleson, I. F., et al. (See Peeler, Abner, assignor.)					
	Oleson, Nelson. (See Erikson, John, assignor.)					
163, 397	Oliphant, John, Allegheny, Pa. Car heater and ventilator.....	May 18, 1875	648	207	7	855
166, 802	Oliver, Ebenezer, New York, N. Y. Animal-trap.....	Aug. 17, 1875	602	186	8	301
165, 858	Oliver, Fred. L., Friendship, N. Y. Milk-strainer.....	July 20, 1875	721	219	8	131
6, 642	Oliver, James, South Bend, Ind. Casting mold-boards..... (Reissue.)	Sept. 14, 1875	410	131	8	472
6, 647	Same..... Chill for casting mold-boards..... (Reissue.)	Sept. 14, 1875	415	132	8	472
167, 855	Oliver, James H., Baltimore, Md. Attachment to shoe-pegging machines.....	Sept. 21, 1875	454	144	8	486
	Oliver, John Q. A. (See Beckwith & Brown, assignors.)					
159, 525	Oliver, John S., New York, N. Y. Manufacture of sugar.....	Feb. 9, 1875	288	93	7	231
	Oliver, Paul A. (See Egge, Fredrick, assignor.)					
	Same..... (See Smith & Egge, assignors.)					
167, 465	Oliver, Paul A., Wilkesbarre, Pa. Cartridge-case for blasting.....	Sept. 7, 1875	75	23	8	417
159, 768	Oliver, William L., Rautoul, Ill. Governor for windmills.....	Feb. 16, 1875	513	172	7	269
	Olmstead, Channcey L., et al. (See Waterman, Julius, assignor.)					
163, 685	Olmstead, Channcey L., West Brookfield, Mass., assignor to self and Waterman & Mayer, New York, N. Y. Corset.....	May 25, 1875	929	293	7	898
164, 474	Olmstead, Stark, Brooks, Ind. Portable fence.....	June 15, 1875	613	198	7	1032
169, 469	Same..... Feed-boiler.....	Nov. 2, 1875	134	43	8	753
	Olmsted, George. (See Stratton & Olmsted.)					
167, 689	Olmsted, Joseph, assignor of one-half interest to Charles G. McKnight and George Chatterton, Providence, R. I. Electro-magnetic telegraph.....	Sept. 14, 1875	281	89	8	453
170, 963	Olmsted, Joseph, Providence, R. I. Quadruplex telegraph.....	Dec. 14, 1875	291	98	8	997
168, 176	Olmsted, Oscar B., Beloit, Wis. Machine for punching pipes.....	Sept. 28, 1875	767	243	8	538
168, 522	Olsen, Engelbrecht, Jacob City, Utah. Chip for rope tramways.....	Oct. 5, 1875	185	59	8	590
166, 626	Olsen, Halvor and Knud, Token Creek Post Office, Wis. Ditching-machine.....	Aug. 10, 1875	421	130	8	267
	Olsen, Knud. (See Olsen, Halvor and Knud.)					
159, 957	Olsen, Timus, Philadelphia, Pa. Casting scale-levers.....	Feb. 16, 1875	688	229	7	291
164, 025	Olson, Holcom, Mount Pleasant, Iowa. Plow.....	June 1, 1875	156	55	7	952
161, 435	Olson, Michael, Eau Claire, Wis. Bag-holder.....	Mar. 30, 1875	1131	364	7	534
160, 698	Olson, William, Sacramento, Cal. Clothes-sprinkler.....	Mar. 9, 1875	406	136	7	416
159, 348	Olsson, Axel, assignor to self, J. W. Coc, and D. Merritt, Williamsburgh, N. Y. Thill-coupling.....	Feb. 2, 1875	98	34	7	197
167, 466	Onas, James B., Pecan Point, Ark. Cotton-planter.....	Sept. 7, 1875	76	23	8	417
167, 467	O'Neal, William J., Newport, Ky. Feeding air to furnaces.....	Sept. 7, 1875	76	23	8	417
159, 958	O'Neil, John, assignor of one-half interest to Theron D. Fuller and Julian Wood, New York, N. Y. Sewing-machine.....	Feb. 16, 1875	689	229	7	291
6, 232	O'Neil, John K., Canton, Ohio. Straw-cutter..... (Reissue.)	Jan. 12, 1875	403	135	7	80
	O'Neil, Michael H. (See Harris & O'Neil.)					
163, 942	O'Neill, Andrew, Ansonia, Conn. Art of laying street-mains.....	June 1, 1875	87	30	7	943
168, 916	O'Neill, Charles Z., Boston, Mass. Calendar.....	Oct. 19, 1875	580	191	8	603
171, 308	Same..... same.....	Dec. 21, 1875	643	211	8	1051
171, 038	O'Neill, John C., Saint Louis, Mo. Base-ball base.....	Dec. 14, 1875	259	119	8	1006
161, 894	O'Neill, Peter J., Boston, Mass. Reed-organ action.....	Apr. 13, 1875	279	94	7	620
168, 408	Onions, Charles H., Pittsburgh, Pa. Annealing-box.....	Oct. 5, 1875	81	28	8	576
	Onondaga Pottery Company. (See Copeland, Thomas H., assignor.)..... (Design.)					
162, 494	Oot, Adam, Oswego, N. Y. Churn.....	Apr. 27, 1875	866	278	7	709
168, 279	Oothoudt, Josiah, Z. M. P. Haberin, and Eli M. Sweet, Minneapolis, Minn. Spring bed-bottom.....	Sept. 28, 1875	858	273	8	550
	Openheimer, Louis M. (See Garrett, Charles C., assignor.)					
165, 497	Opp, Henry, Belleville, Ill. Gang-plow.....	July 13, 1875	364	108	8	66
	Oppenheimer, Joseph D. (See Baxter, James M., assignor.)					
168, 523	Oppenheimer, Solomon, Newark, N. J. Child's carriage.....	Oct. 5, 1875	185	60	8	500
158, 970	Opperman, Henry, and Alexander Black, Steubenville, Ohio. Hoisting-apparatus.....	Jan. 19, 1875	596	198	7	121
	Oquist, John, et al. (See Tinnerholm, Charles J., assignor.)					
159, 606	Orcut, Charles H., Leominster, assignor to Joseph A. Harwood, Littleton, and Nahum Harwood, Leominster, Mass. Machine for skiving counter-stiffeners for boots and shoes.....	Feb. 9, 1875	348	115	7	241
171, 414	Orcut, William D., Boston, Mass., assignor to self and Oscar L. Noble. Pegging-machine for boots and shoes.....	Dec. 21, 1875	740	243	8	1064
167, 468	Ord, Jonathan, Pittsburgh, Pa. Reversing-gear for locomotives.....	Sept. 7, 1875	77	24	8	417
168, 177	Ordway, Alvin F., Beaver Dam, Wis. Middlings-purifier.....	Sept. 28, 1875	768	243	8	538
167, 224	Orgill, John, assignor to self and Jeremy W. Bliss, Hartford, Conn. Paper-hanger's table.....	Sept. 21, 1875	507	162	8	494
162, 761	Orlando, John, West Yarmouth, Mass. Strawberry-cultivator.....	May 4, 1875	23	8	7	750
163, 398	Orn, John, Paducah, Ky. Log-turner for saw-mills.....	May 18, 1875	649	207	7	855
160, 790	Orme, Alexander, Chicago, Ill. Safety-valve.....	Mar. 16, 1875	519	167	7	437
163, 100	Orme, Alexander, and William H. Burk, Chicago, Ill. Feed-water heater.....	May 11, 1875	357	116	7	801
168, 917	Ormiston, John C., Geneseo and Edmund S. Seger, Erie, Ill. Windmill.....	Oct. 19, 1875	581	192	8	663
167, 686	Ormond, Marcus, West Alexander, Pa. Plow.....	Sept. 14, 1875	282	89	8	453
162, 684	Ormsby, David G., Pewaukee, Wis. Lime-bin.....	Apr. 27, 1875	1037	331	7	731
163, 236	Ormsby, Leonard D., New York, N. Y. Device for locking ice-tongs, &c., to the wagon.....	May 11, 1875	480	156	7	817
158, 971	Orr, Gilbert J., New York, N. Y. King-belt bearing.....	Jan. 19, 1875	597	198	7	121
163, 101	Same..... Automatic water-distributor..... (Design.)	May 11, 1875	358	116	7	801
	Orr, Jesse, et al. (See Wemyss, Alexander, assignor.)					
161, 149	Orr, William T., Kewanee, Ill. Corn-harvester.....	Mar. 23, 1875	843	275	7	489
164, 627	Orsburn, Robert S., Newcastle, Pa. Torpedo for oil-wells.....	Aug. 10, 1875	422	130	8	267
161, 359	Orth, Susette, Pittsburgh, Pa. Artificial flower.....	Mar. 30, 1875	1048	348	7	524
162, 095	Ortmayer, Andrew, Chicago, Ill. Gig-saddle.....	Apr. 13, 1875	448	149	7	642

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168, 844	Ortmayer, Andrew, Chicago, Ill. Gig-saddle tree.	Oct. 19, 1875	512	168	8	653
171, 415	Orton, Thomas, Chicago, Ill. Index-clip board.	Dec. 21, 1875	741	243	8	1064
166, 293	Orum, Morris L., Philadelphia, Pa. Device for bending metal pipes.	Aug. 3, 1875	99	31	8	213
166, 294	Same. Mandrel for bending metallic tubing.	Aug. 3, 1875	100	31	8	213
163, 686	Orwig, Renben G., Des Moines, Iowa. Washing-machine.	May 25, 1875	921	233	7	898
160, 614	Osborn, Charles S. and Edward, Newton, N. J. Spark-arrester for locomotives.	Mar. 9, 1875	332	112	7	405
170, 640	Osborn, David L., Ashland, Nebr. Windmill.	Nov. 30, 1875	1306	412	8	939
159, 836	Osborn, Edward. (See Osborn, Charles S. and Edward.)					
159, 836	Osborn, Francis M., Port Chester, N. Y. Dental reflector.	Feb. 16, 1875	576	191	7	276
159, 836	Osborn, George H., et al. (See English, Nathan P., assignor.)					
169, 571	Osborn, George R., East Orange, N. J., and Benjamin A. Drayton, New York, N. Y. Bird-cage book.	Nov. 2, 1875	232	76	8	766
171, 309	Same. Feed-cup for bird-cages.	Dec. 21, 1875	645	211	8	1051
168, 178	Osborn, Harrison V., and Robert Hay, Trenton, Mo. Clothes-drier.	Sept. 28, 1875	769	244	8	538
158, 972	Osborn, Henry E., Wallingford, Conn. Rack for electroplating.	Jan. 19, 1875	597	198	7	121
164, 758	Osborn, Luko W., Morgan and Edward D. Merriam, and Peter B. Doty, Conneaut, Ohio. Manufacture of artificial stone.	June 22, 1875	873		7	1076
162, 942	Osborn, Ornan, Trumansburg, N. Y. Sulky-plow.	May 4, 1875	191	63	7	772
8, 166	Osborne, Charles, North Attleborough, Mass., assignor to Whiting Manufacturing Company, New York City. Fork and spoon handle. (Case C. Design.)	Feb. 23, 1875			7	302
8, 414	Osborne, Charles, North Attleborough, Mass., assignor to Whiting Manufacturing Company. Ornamental border for silver-ware. (Design.)	June 22, 1875			7	1056
8, 069	Osborne, Charles, North Attleborough, Mass., assignor to Whiting Manufacturing Company, New York, N. Y. Fork and spoon handle. (Case B. Design.)	Feb. 16, 1875			7	261
165, 118	Osborne, Eugene F., Saint Paul, Minn. Steam-radiator.	June 29, 1875	1216	391	7	1198
162, 762	Osborne, Henry F., Newark, N. J. Leather-rounding machine.	May 4, 1875	24	8	7	750
167, 269	Osborne, Theodore B., New York, N. Y. Lantern.	Aug. 31, 1875	1070	334	8	383
167, 925	Osborne, Thomas D., and William W. Le Grande, Louisville, Ky. Watchman's time-check.	Sept. 21, 1875	508	162	8	494
169, 470	Osborn, David K., Baltimore, Md. Pocket-book.	Nov. 2, 1875	135	41	8	733
170, 639	Same. Paper box.	Nov. 30, 1875	1305	412	8	939
166, 547	Osbourne, Absalom. (See Andrews, Tyler, assignor.)					
166, 547	Osbourne, Hosea P., Milwaukee, Wis. Protector for boot and shoe straps.	Aug. 10, 1875	351	108	8	257
6, 794	Osenbrück, Adolf. (See Osenbrück, Wilhelm, Adolf, and August.)					
158, 513	Osenbrück, August. (See Osenbrück, Wilhelm, Adolf, and August.)					
160, 028	Osenbrück, Johannes A., Hemechingen, Germany. Lubricator. (Reissue.)	Dec. 14, 1875	534	176	8	1028
160, 028	Osenbrück, Wilhelm, Adolf, and August, Bremen, Germany. Cigar-mold.	Jan. 5, 1875	144	48	7	29
169, 285	Osgood, Carmi, East Hardwick, Vt. Rein-holder.	Feb. 23, 1875	775	256	7	310
160, 345	Osgood, Enoch, Boston, Mass. Clasp for wearing-apparel.	Oct. 26, 1875	937	304	8	719
160, 345	Osgood, Galen N., Savannah, Ga. Bale-tie.	Mar. 2, 1875	79	28	7	360
160, 116	Osgood, James R. (See Edwards, Ernest, assignor.)					
162, 763	Osgood, John, Fort Edward, N. Y. Head-block for saw-mills.	Feb. 23, 1875	840	{ 279 280 }	7	321
162, 849	Osgood, Ralph R., Troy, N. Y., and Fred Brotherhood, Charleston, S. C. Dredging-machine.	May 4, 1875	24	9	7	750
165, 608	Osgood, Ralph R., Troy, N. Y. Dredging-machine.	May 4, 1875	103	33	7	760
161, 542	Osgood, Warren F. (See Grimshaw & Osgood.)					
167, 780	O'Shea, Andrew J., Jersey City, N. J. Registering device for stereotype-blocks.	Mar. 30, 1875	1236	398	7	548
159, 114	Same. Printer's quoin.	Sept. 14, 1875	371	118	8	466
170, 890	Osten, Otto, North Bend, Oreg. Machine for cutting heads for barrels.	Jan. 26, 1875	752	247	7	149
162, 850	Osterhout, Christian. (See Camp & Osterhout.)					
162, 943	Osterspey, Peter, Mechernich, Prussia, assignor to Adolphus Meier & Co., Saint Louis, Mo. Ore-separator.	Dec. 7, 1875	206	72	8	978
162, 850	Ostheimer, Alfred J. (See Dressler, Edward, assignor.)					
162, 943	Ostrander, David R., Fountain Green, Ill. Farm-fence.	May 4, 1875	104	34	7	761
166, 548	Same. Combined feed box and rack.	May 4, 1875	192	63	7	772
166, 548	Ostrom, Lot. (See Murray, Gilbert and Ostrom.) (Design.)					
159, 526	O'Sullivan, Cornelius B., and Patrick Murphy, New Orleans, La. Apparatus for lubricating railways.	Aug. 10, 1875	351	108	8	257
168, 179	Otis, Elisha G., deceased, by Benjamin T. Babbitt, administrator, New York, N. Y. Hoisting apparatus. (Extension.)	Jan. 14, 1875			7	180
159, 526	Same. same. (Extension.)	Jan. 14, 1875			7	180
168, 179	Same. same. (Extension.)	Jan. 14, 1875			7	180
168, 179	Otis, John L., Leeds, Mass. Machine for dressing castings.	Feb. 9, 1875	290	93	7	231
166, 219	Otis, Newton S., assignor of one-half interest to William S. Gray, New York, N. Y. Temporary binder.	Sept. 28, 1875	769	241	8	538
163, 943	Otis, Norton P., Youkers, N. Y. Hoisting-machine.	Aug. 3, 1875	32	11	8	203
164, 566	Otis, Samuel A., Boston, Mass. Track-scraper.	June 1, 1875	89	30	7	943
171, 161	Otis, Samuel L., Birmingham, Conn. Crochet-machine.	June 15, 1875	707	230	7	1045
165, 498	Ott, Jacob, and John Woller, New York, N. Y. Fastening for bungs in casks or barrels.	Dec. 14, 1875	481	157	8	1022
158, 973	Ott, John, Indianapolis, Ind. Barber's chair.	July 13, 1875	365	108	8	66
169, 031	Ott, Stephen, Newark, Del. Car-coupling.	Jan. 19, 1875	598	199	7	121
170, 106	Otto & Sons, F. G. (See Otto, Ferdinand G., assignor.)					
160, 946	Otto, Carl C. F., assignor of one-half interest to B. Davis Noxon, Syracuse, N. Y. Anti-friction compound.	Oct. 19, 1875	684		8	677
160, 946	Otto, Ferdinand G., Jersey City, N. J., assignor to F. G. Otto & Sons, New York, N. Y. Truss.	Nov. 16, 1875	775	245	8	851
158, 514	Otto, Henry, Bloomington, Ill. Pipe-wrench.	Mar. 16, 1875	649	211	7	455
165, 539	Ottersen, Andrew. (See Ottersen, John and Andrew.)					
170, 107	Ottersen, John and Andrew, Windsor Locks, Conn. Filter.	Jan. 5, 1875	145	48	7	29
8, 666	Outland, Josiah, and Robert P. Thomas, Barnesville, Ohio. Car-coupling. (Reissue.)	July 13, 1875	510	156	8	87
165, 859	Outson, Jacob P., assignor of one-half interest to William Asby, Racine, Wis. End-gate for wagons.	Nov. 16, 1875	776	246	8	851
165, 860	Same. same. (Design.)	Sept. 28, 1875			8	520
6, 505	Ovens, George C., Red Bank, N. J. Bottle. (Design.)					
6, 506	Over, Ewald, et al. (See King, Jacob, assignor.)					
6, 505	Overby, John O. (See Storle, Ole O., assignor.) (Reissue.)					
6, 505	Overend, John A. T., San Francisco, Cal. Type-casting machine. (Reissue.)	June 22, 1875	1021	{ 329 330 }	7	1091
6, 506	Same. same. same. (Reissue.)	June 22, 1875	1022	330	7	1094
165, 859	Same. Machine for cutting printers' leads.	July 20, 1875	721	220	8	131
165, 860	Same. Heater and feed-pump for boilers.	July 20, 1875	722	220	8	132

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No.	Name, residence, and invention.	Date.	Monthly volume		Official Gazette.	
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6, 304	Owen, Benjamin, Dayton, Ohio. Horse hay-rake ..... (Reissne.)	Feb. 23, 1875	968	319	7	338
6, 617	Same..... same	Aug. 24, 1875	961	299	8	360
159, 349	Same..... same	Feb. 2, 1875	99	34	7	198
170, 389	Owen, Daniel E., assignor of one-half interest to Daniel E. Prasier and Alpheus K. Smith, Cambridge, Mass. Horse-detacher .....	Nov. 23, 1875	1054	331	8	897
166, 717	Owen, George R., Cortland, N. Y. Car-coupling .....	Aug. 17, 1875	526	161	8	290
167, 781	Owen, John D., and George M. Custer, Mattoon, Ill. Rein-holder .....	Sept. 14, 1875	372	119	8	466
162, 096	Owen, John H. (See Horton & Hayes, assignors.)					
171, 629	Owens, Madison B., and George Chamberlin, Olean, N. Y. Bed-bottom .....	Apr. 13, 1875	449	149	7	642
162, 411	Owens, Michael A., Brooklyn, N. Y. Process for preparing molding for enameling .....	Dec. 28, 1875	972	315	8	1104
	Owens, Thomas W., Granville, Ohio. Farm-fence .....	Apr. 20, 1875	768	249	7	688
166, 803	Oxley, P. H., et al. (See Minor, John O., assignor.)					
168, 774	Oyston, Charles, Little Falls, N. Y. Hose-nozzle .....	Aug. 17, 1875	602	186	8	301
164, 657	Pacand, Eugene J., assignor to Florentine A. Jones, Schaffhausen, Switzerland. Watch.	Oct. 11, 1875	437	142	8	634
170, 294	Paek, William H., and Joseph S. Van Horn, Jersey City, N. J. Paper-clip .....	June 22, 1875	782	256	7	1064
	Same..... Paper-fastener .....	Nov. 23, 1875	968	303	8	885
	Packard, Francis, 2d. (See Tucker, Horace N., assignor.)					
	Packard, Henry F. (See Warren & Packard.)					
166, 804	Packard, Nathaniel K., Brockton, Mass. Blank for box-tocs of hoots and shoes.....	Aug. 17, 1875	603	186	8	302
167, 408	Paddock, James R., Chicago, Ill. Direct-acting engine .....	Sept. 7, 1875	26	8	8	410
171, 310	Paddon, William, San Francisco, Cal. Mash-attenuator .....	Dec. 21, 1875	646	212	8	1051
160, 699	Pagan, Orestes, Philadelphia, Pa. Boiler-tube expander .....	Mar. 9, 1875	407	136	7	416
171, 630	Page, & Co., George. (See Cook, John F., assignor.)					
	Page, Arthur T., Gardena, Prairie, Ill. Windmill .....	Dec. 28, 1875	974	315	8	1104
	Page, Augustus. (See Haynes, Cornelius E., assignor.)					
	Page, Augustus, et al. (See Haynes, Cornelius E., assignor.)					
	Page, Charles. (See Lockwood, Edward M., assignor.)					
	Page, Charles R. (See Porter, Hawes & Page.)					
	Page, Clark D. (See Hand, Ekins, assignor.)					
158, 599	Page, E. Emerson, Boston, Mass. Air cooling and purifying apparatus .....	Jan. 12, 1875	236	80	7	57
170, 891	Page, Frank A. (See Barbour & Page.)					
170, 295	Page, Justin E., Sycamore, Ill. Barbed-wire fence .....	Dec. 7, 1875	207	72	8	978
8, 688	Page, Philip S. (See Tabor, Freeman A., assignor.)					
164, 931	Page, Thomas S., Toledo, Ohio. Kitchen utensil .....	Nov. 23, 1875	969	303	8	885
	Page, William, New York, N. Y. Bust of Shakspeare .....	Oct. 5, 1875			8	561
	Page, William C. D., and John L. Fahy, assignors to John L. Fahy, East Cambridge, Mass. Instrument for extracting corks from bottles .....	June 29, 1875	1058	341	7	1107
	Paige, George W. (See Paige, Samuel K., George W., and Jeremiah A.)					
164, 475	Paige, Jeremiah A. (See Paige, Samuel K., George W., and Jeremiah A.)					
163, 237	Paige, John C., Stoneham, Mass. Railway time-signal .....	June 15, 1875	613	199	7	1032
169, 370	Paige, Samuel K., George W., and Jeremiah A., Henniker, N. H. Box-machine .....	May 11, 1875	480	156	7	817
161, 055	Paige, William H., Springfield, Mass. Car-wheel .....	Nov. 2, 1875	49	15	8	741
164, 869	Pailard, Charles, St. Croix, Switzerland. Music-box .....	Mar. 23, 1875	751	247	7	478
168, 280	Pain, Robert W., assignor to E. P. Needham & Son, New York, N. Y. Tremolo for reed-organs .....	June 22, 1875	980	317	7	1089
	Paine, Frederick T., Iuka, Miss. Soda-fountain with double faucet .....	Sept. 28, 1875	558	273	8	550
	Painter, John R., et al. (See Wenyuss, Alexander, assignor.)					
	Painter, P. A. (See Taylor, Harrison P., assignor.)					
169, 371	Painter, Robert F., Greenfield, Mass. Carriage top .....	Nov. 2, 1875	50	15	8	741
160, 700	Painter, William, Baltimore, Md. Hose-coupling .....	Mar. 9, 1875	408	136	7	416
160, 701	Same..... Apparatus for removal of night-soil .....	Mar. 9, 1875	409	137	7	416
160, 702	Same..... Discharge-gates for night-soil tank .....	Mar. 9, 1875	411	137	7	416
160, 703	Same..... Measuring-indicator for night-soil tanks .....	Mar. 9, 1875	412	137	7	416
162, 945	Same..... Foot-pipe for suction-hese .....	Mar. 9, 1875	413	137	7	417
163, 238	Same..... Apparatus for transferring night-soil from transit-tanks to cars, boats, &c .....	May 4, 1875	193	63	7	772
168, 775	Same..... Transit-tank for night-soil .....	May 11, 1875	481	157	7	817
168, 776	Same..... Valve .....	Oct. 11, 1875	438	142	8	634
160, 224	Same..... same .....	Oct. 11, 1875	439	143	8	635
161, 981	Palm, Otto J. E., Cincinnati, Ohio. Ornamental transfer-sheet .....	Feb. 23, 1875	941	309	7	334
168, 578	Palmer, Aaron, Rochester, N. Y. Harvester-rake .....	Apr. 13, 1875	353	118	7	629
	Same..... Harvester .....	Oct. 11, 1875	262	86	8	609
162, 944	Palmer, Amos, et al. (See Brettle & Lindsey, assignors.)					
161, 632	Palmer, Amos B., Williamantie, and Albert E. Elmer, New Britain, Conn. Automatic fly-fan .....	May 4, 1875	192	63	7	772
161, 895	Palmer, Charles H. (See Dewey & Palmer.)					
163, 239	Palmer, Charles H., New York, N. Y. Embroidering attachment for sewing-machines ..	Apr. 6, 1875	38	14	7	574
165, 175	Same..... Sewing-machine .....	Apr. 13, 1875	279	94	7	620
	Same..... Ruffling attachment for sewing-machines .....	May 11, 1875	483	157	7	817
166, 888	Palmer, Charles H., and Edmund H. Dewey, New York, assignors to Charles H. Dewey, Brooklyn, N. Y. Reciprocating cylinder-revolving engine .....	July 6, 1875	34	9	8	13
164, 870	Palmer, Corydon B. (See Waring, Michael L., assignor.)					
160, 462	Palmer, Daniel, and Mahlon and Charles E. Briggs, Iola, Kans. Washing-machine.....	Aug. 17, 1875	683	211	8	313
	Palmer, Delos, New York, N. Y. Clamp for dental rubber-dams .....	June 23, 1875	981	317	7	1089
163, 517	Palmer, F. E. (See Burlington, Oliver F., assignor.)					
159, 441	Palmer, George, Littlestown, Pa. Car-wheel .....	Mar. 2, 1875	184	64	7	375
161, 896	Palmer, George L. (See Engel, Joseph, assignor.)					
163, 399	Palmer, George N., Elmira, N. Y. Reservoir cooking-stove .....	May 18, 1875	763	242	7	870
	Palmer, Herbert F. (See Palmer, William H., jr., assignor.)					
168, 104	Palmer, Isaac E., Middletown, Conn. Mosquito-canopy .....	Feb. 2, 1875	181	61	7	210
	Palmer, Jesse, assignor to Charles A. Do Hart, Newark, N. J. Die for forming hatchet-claws .....	Apr. 13, 1875	281	95	7	620
163, 882	Palmer, Joseph, assignor to self and Charles P. Moore, Concord, N. H. Die for forming spurs on horseshoe-calks .....	May 18, 1875	651	208	7	855
163, 240	Palmer, Josiah F., Auburn, N. Y. Animal-poke .....	June 1, 1875	39	13	7	936
	Palmer, Le Roy C., Charlotte, Vt. Milk-cooler .....	May 11, 1875	484	157	7	817
	Palmer, Mahlon. (See Palmer & Briggs.)					
168, 104	Palmer, Milton J., assignor to self and Archibald O. Glass, Detroit, Mich. Soap-boiling apparatus .....	Sept. 28, 1875	699	220	8	528
	Palmer, Silas D., assignor to John R. B. Ransom, Toledo, Ohio. Dental flask for rubber.	Nov. 2, 1875	136	44	8	753
158, 806	Palmer, Timothy G., Schultsville, N. Y. Horse-power .....	Feb. 2, 1875	182	62	7	210
160, 947	Palmer, Timothy G., Schultsville, and Henry F. Clark, Poughkeepsie, N. Y. Rotary printing-press for dating letters and canceling stamps .....	Jan. 19, 1875	440	147	7	101
166, 295	Palmer, Wales L., and Israel W. Knox, San Francisco, Cal. Rotary pressure-blower .....	Mar. 16, 1875	650	212	9	455
		Aug. 3, 1875	101	32	8	213

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. G.	Vol.	Page.
162, 764	Palmer, William H., Dover, N. H. Mechanism for molding the soles of boots and shoes	May 4, 1875	26	9	7	750
163, 801	Palmer, William H., jr., Middletown, Conn., assignor to Herbert F. Palmer, New York, N. Y. Mechanism for drying sized fabrics	May 25, 1875	1021	323	7	912
164, 026	Same..... Machine for centering fabrics	June 1, 1875	157	56	7	952
164, 587	Same..... Machine for centering cloth	June 15, 1875	708	230	7	1046
163, 241	Palmer, W. S. (See Van Horne, Robert P., assignor.)					
167, 558	Palmer, Henry, New York, N. Y. Shield for pipes	May 11, 1875	485	158	7	818
171, 311	Same..... Toilet-mirror	Sept. 7, 1875	156	49	8	428
161, 437	Pancoast, Isaiah W., Libertyville, Iowa. Portable fence	Dec. 21, 1875	647	212	8	1051
167, 016	Paraf, Alfred, San Francisco, Cal. Fluxing composition	Mar. 30, 1875	1132	365	7	534
170, 763	Parcelle, Albert L., Oneonta, N. Y. Sad-iron	Aug. 24, 1875	820	255	8	341
158, 515	Parham, Samuel P., New York, N. Y. Gas-retort	Dec. 7, 1875	102	32	8	964
6, 465	Paris, Daniel E., et al. (See Brown, Albert, assignor.)	Jan. 5, 1875	146	49	7	29
163, 883	Paris, Daniel E., Troy, N. Y. Cooking-stove	June 1, 1875	206	73	7	958
164, 202	Same..... Reservoir cooking-stove	June 1, 1875	40	13, 14	7	936
169, 032	Same..... Torsion-spring for vehicles	June 8, 1875	341	{ 117 }	7	988
167, 926	Same..... Torsional spring for vehicles	Oct. 19, 1875	689	{ 225 }	8	677
169, 572	Park, Alfred J., Virginia, Mo. Apparatus for gathering and elevating hay	Sept. 21, 1875	505	162	8	494
162, 097	Same..... Name-fastener	Nov. 2, 1875	233	76	8	766
159, 208	Park, James A., Lansing, and William Woodhouse, Mason, Mich. Writing-desk for chairs	Apr. 13, 1875	450	150	7	642
169, 918	Park, William R., Philadelphia, Pa. Lamp-cap and shade-holder	Jan. 26, 1875	836	274	7	161
163, 400	Same..... Cane	Nov. 16, 1875	609	169	8	829
168, 125	Parker, Abijah S., assignor to Parker Manufacturing Company, Binghamton, N. Y. Lock-hinge for blinds and shutters	May 18, 1875	651	208	7	855
	Parker, Albert B. (See Sayre, Charles H., assignor.)					
	Parker and Whipple Company. (See Coleman, Cornelius, assignor.)					
	Parker, Benjamin, Ellsworth, Me. Machine for jointing staves	Sept. 28, 1875	729	227	8	531
	Parker, Charles. (See King, Charles A., assignor.)					
	Same..... (See Kingsley, Charles L., assignor.)					
	Same..... (See Parker, Dexter W., assignor.)					
	Same..... (See Smith, Henry, assignor.)					
164, 324	Parker, Charles, Newark, N. J. Photograph-wrapper	June 8, 1875	459	152	7	1003
166, 135	Parker, Charles F., assignor of one-half interest to Artemas M. Shelley, Lockport, N. Y. Disinfecting sick-room slop-jar	July 27, 1875	995	307	8	182
166, 220	Parker, Charles N., jr., et al. (See Williams, Carmi H., assignor.)					
159, 606	Parker, Chauncey C., Brooklyn, N. Y. Eyeglass	Aug. 3, 1875	33	11	8	204
6, 623	Parker, Christopher C., and John Kivett, Sullivan, Ind. Axle-lubricator	Feb. 9, 1875	349	116	7	241
6, 426	Parker, Dexter W., assignor to Charles Parker, Meriden, Conn. Claw-hammer	Aug. 31, 1875	1173	369	8	398
159, 115	Parker, Edward, Plymouth, assignor, by mesne assignments, to American Ring Company, Waterbury, Conn. Manufacture of eyeclets	May 11, 1875	544	173	7	826
	Same..... (Reissue.)	Jan. 26, 1875	753	247	7	149
159, 443	Parker, Edward L., et al. (See Huggins, John, assignor.)					
161, 818	Parker, Emery. (See Lyon & Parker.)					
161, 436	Parker, George W., Bainbridge, N. Y. Camera attachment	Feb. 2, 1875	183	62	7	210
169, 471	Parker, George W., Gardner, Mass. Machine for tenoning chair-rounds	Apr. 6, 1875	198	67, 68	7	597
159, 959	Parker, Henry, Otsego, assignor of three-fourths interest to Jacob Jacobson, Saint Joseph, Mich. Hand-truck	Mar. 30, 1875	1131	365	7	534
6, 811	Parker, Hiram J., Rochester, assignor of one-half interest to Sylvester N. Gardner, Troy, N. Y. Inclosure or play-house for children	Nov. 2, 1875	135	44	8	753
171, 039	Parker, Hubbard G., Carson City, Nev. Flume for conveying timber	Feb. 16, 1875	690	229	7	292
170, 186	Parker, J. B. (See Hepper, Solomon, assignor.)					
164, 203	Parker, John, Dubuque, Iowa. Fly-trap	Dec. 21, 1875	785	260	8	1070
167, 928	Parker, John W. and Thomas, Chicago, Ill. Saw-gummer	Dec. 14, 1875	360	120	8	1006
167, 782	Parker, Joseph N., Augusta, Me. Hogshad and barrel horse	Nov. 23, 1875	873	273	8	871
167, 782	Parker, Josiah W. (See Holland & Parker.)					
167, 928	Parker, La Fayette, Daveport, Iowa. Roofing-tile	June 8, 1875	243	117	7	988
167, 782	Parker, Lewis. (See Barber, William, assignor.)					
8, 355	Parker, Lewis C., Robinson, Kans. Car-starter	Sept. 21, 1875	510	163	8	495
160, 117	Parker, Louisa A., Norwalk, Ohio. Sewing-machine caster	Sept. 14, 1875	372	119	8	466
168, 666	Parker Manufacturing Company. (See Parker, Abijah S., assignor.)					
167, 114	Parker, Reginald R., Indianapolis, Ind. Neck-tie	May 25, 1875			7	879
164, 204	Same..... Neck-tie shield	Feb. 23, 1875	850	280	7	321
168, 666	Same..... Neck-tie	Oct. 11, 1875	344	112	8	621
167, 114	Parker, Retire H., et al. (See Moulton, Damon & Rice.)					
164, 691	Parker, Richard M. C., Memphis, Tenn. Spring-binge	Aug. 24, 1875	912	284	8	353
168, 524	Parker, Robert, and John B. Coleman, Corry, Pa. Clamp for holding files in tempering-baths	June 8, 1875	344	117	7	988
161, 267	Parker, Samuel G., et al. (See Alger, George A., assignor.)					
107, 559	Parker, Sidney, Sheffield, Ind. Window-screen	June 22, 1875	813	266	7	1068
167, 927	Parker, Thomas. (See Parker, John W. and Thomas.)					
169, 189	Parker, Thomas, Menomonee, Wis. Slicing-gate	Oct. 5, 1875	186	60, 61	8	590
164, 871	Parker, Wilbur F., Meriden, Conn. Breech-loading fire-arm	Mar. 23, 1875	958	312	7	504
167, 927	Parker, William A., Brooklyn, N. Y. Burglar-alarm	Sept. 7, 1875	158	49	8	428
169, 189	Parker, William A., Marshfield, Mo. Fish-wheel	Sept. 21, 1875	509	162	8	495
164, 871	Parker, William C., Franklin, Pa. Apparatus for reducing crude oil	Oct. 26, 1875	847	276	8	708
167, 927	Parker, William D., assignor of one-half interest to Gustavus W. Ingalls, Worcester, Mass. Tremolo for organs	June 22, 1875	982	317	7	1089
171, 416	Parker, William K. (See Thomas & Parker.)					
	Parker, William M., Medford, Mass. Loom-shuttle guard	Dec. 21, 1875	742	244	8	1064
	Parker, William P. (See Stickle, Parker & Moore.)					
	Parkerson, Robert M. (See Fuller & Parkerson.)					
171, 162	Parkes, Alexander, Brdington, England. Gas-furnace	Dec. 14, 1875	482	{ 158 }	8	1022
6, 669	Parkhurst, Alimus N., Logansport, Ind. Pump	Sept. 28, 1875	902	287	8	556
163, 518	Same..... same	May 18, 1875	765	242	7	870
164, 588	Parkhurst, Edwin D. (See Crane, Francis E. S., assignor.)					
	Parkhurst, Emily R. (See Parkhurst, Stephen R., assignor.)					
163, 687	Parkhurst, Horace, Oakland, Cal. Horse-power	June 15, 1875	709	231	7	1046
	Parkhurst, Joseph P. (See Glassbrook, Myron, assignor.)					
	Parkhurst, Stephen R., assignor to Emily R. Parkhurst, Mont Clair, N. J. Machine for mixing wool	May 25, 1875	922	293	7	898

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
8, 448	Parkin, William, assignor to Reed & Barton, Taunton, Mass. Coffin-plate. (Case A. Design).....	June 29, 1875			7	1098
8, 453	Same..... same..... (Design).....	July 6, 1875			8	4
166, 628	Parks, Aaron. (See Holabird & Parks.) Parks, Dana, Boston, Mass., assignor of one-half interest to Frederick P. Sawyer, Georgetown, D. C. Ship's chair.....	Aug. 10, 1875	422	131	8	267
168, 180	Parks, John R. (See Parks, Robert B., assignor.) Parks, Robert B., assignor to self and John R. Parks, Princeton, Ill. Sleigh.....	Sept. 28, 1875	772	244	8	538
159, 209	Parks, William F., and Louis F. Lannay, Cincinnati, Ohio. Machine for combing dry bristles.....	Jan. 26, 1875	836	274	7	161
165, 753	Parlin & Orendorff. (See Parlin, William H., assignor.) Parlin, William H., assignor to Parlin & Orendorff, Canton, Ill. Harrow.....	July 20, 1875	609	188	8	117
6, 257	Parmelec, Henry S., New Haven, Conn. Fire-extinguisher..... (Reissue).....	Jan. 26, 1875	882	286	7	167
169, 573	Parr, John N. (See Townsend & Parr.) Parr, Joseph, New York, N. Y., assignor to Lydia A. McCollum, executrix of John McCollum, deceased. Guide-roller for endless aprons.....	Nov. 2, 1875	233	76	8	766
169, 574	Same..... Ratchet-movement.....	Nov. 2, 1875	234	77	8	766
169, 834	Parr, Joseph, New York, N. Y., assignor to Lydia Ann McCollum, executrix of John McCollum, deceased. Cracker-machine.....	Nov. 9, 1875	517	162	8	809
165, 499	Parry, George T., Philadelphia, Pa. Combined street-lamp and gas-machine.....	July 13, 1875	366	108	8	66
163, 944	Parry, Thomas W., Danville, Pa. Slate-cutting machine.....	June 1, 1875	89	30	7	943
170, 286	Parshall, Charles H., Detroit, Mich. Lubricator.....	Nov. 23, 1875	970	304	8	885
170, 297	Same..... same.....	Nov. 23, 1875	971	304	8	885
159, 207	Parson, Warren D., Denver, Colo. Windmill.....	Jan. 26, 1875	834	274	7	161
158, 359	Parsons, Augustus, Chicago, Ill. Gas-regulator.....	Jan. 5, 1875	32	11	7	13
168, 570	Parsons, Foster E. (See Bennett & Parsons.) Parsons, Francis W., Dedham, Mass. Sleeping-car.....	Oct. 11, 1875	262	86	8	609
168, 409	Parsons, George E. (See Twitchell & Parsons.) Parsons, George W., Salisbury, Md. Diking-attachment for dredgers.....	Oct. 5, 1875	82	28	8	576
6, 466	Parsons, Henry, Waterloo, N. Y., assignor to George Crompton, Worcester, Mass. Loom beddle-frame..... (Reissue).....	June 1, 1875	207	71	7	959
164, 932	Parsons, L. D. (See Cone, Alfred M., assignor.) Parsons, Thomas D., assignor of one-half interest to George E. Reed, Bristol, Conn. Lamp-burner.....	June 29, 1875	1059	341	7	1167
166, 221	Parsons, Thomas D., assignor to self and George T. Steele, Bristol, Conn. Auger.....	Aug. 3, 1875	34	11	8	204
171, 312	Partridge, Bunnell & Co. (See Bunnell, Jesse H., assignor.) Same..... (See Carter & Hewitt, assignors.) Partridge, Horace. (See Johnson, Charles C., assignor)..... (Reissue.)	Dec. 21, 1875	647	212	8	1051
143, 102	Partridge, John W., Boston, Mass. Paper braid.....	May 11, 1875	359	117	7	892
6, 208	Partridge, Umberto N., Boston, N. Y. Quilting-frame clamp.....	Jan. 5, 1875	191	66	7	36
6, 209	Paris, August F. W., Oakland, Cal. Apparatus for compacting granular sugar into blocks..... (Reissue).....	Jan. 5, 1875	192	51	7	36
159, 769	Same..... Compacting sugar into blocks..... (Reissue).....	Feb. 16, 1875	514	172	7	269
171, 417	Same..... Drier for refined sugar..... (Reissue).....	Dec. 21, 1875	743	244	8	1064
168, 281	Pashley, George F., Brooklyn, N. Y. Signal-lantern.....	Dec. 21, 1875	743	244	8	1064
6, 305	Passaic Zinc Company. (See Moore, Gideon E., assignor.) Passel, George W. (See Doane & Passel.)	Sept. 28, 1875	859	274	8	551
171, 040	Passmore, Joseph, Georgetown, D. C. Spike and nail extractor..... (Reissue).....	Feb. 23, 1875	969	319	7	338
171, 040	Passmore, Everett G., Philadelphia, Pa. Lawn-mower..... (Reissue).....	Dec. 14, 1875	361	120	8	1006
159, 707	Patch, Frank A., New York, N. Y. Folding chair.....	Dec. 14, 1875	361	120	8	1006
6, 274	Patchen, Abel. (See Eames & Patchen.) Patent Grape Sugar Company. (See Pearse, Edwin E., assignor.)	Feb. 9, 1875	439	147	7	253
159, 210	Paterson, James, Leytonstone, England. Machine for capsuling bottles..... (Reissue).....	Feb. 2, 1875	246	80	7	218
168, 918	Patric, Charles E., and James S. Bogle, Springfield, Ohio. Grain-drill.....	Jan. 26, 1875	837	275	7	161
170, 448	Patrick, Robert, Branchton, Canada. Rotary pump and engine.....	Oct. 19, 1875	522	192	8	663
159, 350	Patrick, Robert, Branchton, Canada. Rotary pump and engine.....	Nov. 30, 1875	1123	353	8	915
159, 351	Patten, Edwin B., Bangor, Me. Cook-stove attachment.....	Feb. 2, 1875	100	35	7	198
158, 864	Same..... same.....	Feb. 2, 1875	101	35	7	198
163, 802	Patten, John R., Amesbury, Mass. Jump-seat for carriages.....	Jan. 19, 1875	492	165	7	108
164, 759	Patterson, Chester R., Pittston, Pa. Planing-machine.....	May 25, 1875	1021	323 } 324 }	7	912
169, 286	Patterson, E. G., et al. (See Allen, Hosca, assignor.) Patterson, Emmet J., Chicago, Ill. Railway-crossing.....	June 22, 1875	873	285	7	1076
161, 634	Patterson, Henry M., Monterey, Va. Ice-nail for horseshoes.....	Oct. 26, 1875	938	304	8	720
170, 892	Patterson, Jacob M., Woodbury, N. J. Method of producing flanged lids and collars for sheet-metal cans.....	Apr. 6, 1875	40	15	7	575
168, 667	Patterson, James, Washington, D. C. Boat-detaching apparatus.....	Dec. 7, 1875	208	72	8	978
169, 287	Patterson, John S. (See Griffith & Patterson.) Patterson, Lemuel, assignor of one-half interest to John K. Hunter, Parker City, Pa. Brick-machine.....	Oct. 11, 1875	345	112	8	621
170, 893	Patterson, Newton A., Johnson, Tenn. Propeller-wheel.....	Oct. 26, 1875	938	304 } 305 }	8	720
163, 688	Same..... Screw-propeller.....	Dec. 7, 1875	209	72, 73	8	979
160, 706	Patterson, Robert I., Muncie, Ind. Hand-rubber.....	May 25, 1875	233	293	7	899
166, 136	Patterson, Thomas, assignor to self and Enos C. Matson, Princeton, Ill. Washing-machine.....	Mar. 9, 1875	415	138	7	417
160, 705	Patterson, William, Constantine, Mich. Well-tubing.....	July 27, 1875	996	307	8	182
158, 807	Patterson, William A., Juniata County, Pa. Implement for binding grain.....	Mar. 9, 1875	411	138	7	417
160, 543	Patterson, William F., Boston, Mass. Screw-driver.....	Jan. 19, 1875	441	147	7	101
161, 056	Same..... same.....	Mar. 9, 1875	272	92	7	396
163, 401	Same..... same.....	Mar. 23, 1875	752	248	7	478
165, 685	Same..... same.....	May 18, 1875	662	208	7	856
165, 609	Same..... same.....	July 20, 1875	551	168	8	108
161, 633	Pattison, James, Darnley Mill, Hurlert, North Britain. Dumping wagon or sleigh.....	July 13, 1875	465	142	8	81
162, 851	Patton, Charles W., Louisville, Ky. Churn.....	Apr. 6, 1875	39	15	7	574
165, 500	Patton, Joseph D., Trevorton, Pa. Gas-purifier.....	May 4, 1875	105	34	7	761
159, 211	Patton, Richard. (See Meharg, James M., assignor.) Patton, William, Vevay, Ind. Book-support.....	July 13, 1875	368	109	8	66
161, 543	Patton, William P., and Charles D. Walters, assignors to Eby Byers & Son, Harrisburgh, Pa. Dumping-wagon.....	Jan. 26, 1875	840	275	7	162
162, 852	Patton, William P., assignor to Eby Byers & Son, Harrisburgh, Pa. Trough for coal-carts.....	Mar. 30, 1875	1236	398	7	548
164, 027	Patton, William P., assignor to self and Sullivan S. Child, Harrisburgh, Pa. Injector.....	May 4, 1875	106	34	7	761
166, 549	Same..... same.....	June 1, 1875	159	56	7	952
166, 549	Pattysou, William D. C., Sherbrooke, Canada. Type-setting machine.....	Aug. 10, 1875	352	108 } 109 }	8	257

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Paul Brothers & Co. (See Paul, George D., assignor.)					
169, 657	Paul, Charles C., Philadelphia, Pa. Construction of berry-barrels.	Nov. 9, 1875	335	106	8	786
160, 463	Paul, George, and Josiah Sibley, Kenton, Ohio. Freight-car.	Mar. 2, 1875	185	64	7	375
160, 346	Paul, George D., Brooklyn, assignor to Paul Brothers & Co., New York, N. Y. Top for salt and pepper box.	Mar. 2, 1875	79	28	7	360
	Paulding, Gouverneur. (See Lawson, Peter B., assignor.)					
	Pawling, William M. (See Greene & Pawling.) (Reissue.)					
	Paxson, Deborah I., et al. (See Harrison, Samuel L., assignor.)					
	Paxson, Joseph S., et al. (See Harrison, Samuel L., assignor.)					
170, 964	Payn, William S., Neillsville, Wis. Siding gage and bracket.	Dec. 14, 1875	298	99	8	997
	Payne, Benjamin N., et al. (See Hamilton, Ira S., assignor.)					
6, 520	Payne, Brigham, Hartford, Conn., assignor to J. R. Schuyler, M. Hartley, and M. Graham. Machine for necking cartridge-cases.	June 29, 1875	1250	402	7	1134
6, 521	Same.	June 29, 1875	1252	402	7	1134
163, 402	Payne, Coleman D., Moselle, Mo. Gas-burner.	May 18, 1875	653	208	7	856
	Payne, David W., et al. (See Hamilton, Ira S., assignor.)					
158, 974	Payne, Henry A., Adams, N. Y. Hub for vehicle-wheels.	Jan. 19, 1875	599	199	7	121
171, 313	Payne, Ira T., Essex, Conn. Steering-propeller.	Dec. 21, 1875	648	212	8	1051
169, 835	Payne, Morgan, Cardington, Ohio, assignor to self and Thomas S. Davis, Collinsville, Ill. Rotary churn.	Nov. 9, 1875	520	162	8	809
160, 464	Peabody, Joseph H., Pittsford, Vt. Mitten.	Mar. 2, 1875	185	64	7	375
161, 982	Peabody, William B. O., Boston, Mass. Drawing-board.	Apr. 13, 1875	354	119	7	629
	Peace, Harvey W. (See Edgar, John L., assignor.)					
170, 108	Peacock, A. H. (See Forbis, Harbert K., assignor.)					
	Peacock, George H., Webster, assignor to George Plumb and Susan A. Newman, Fairport, N. Y. Combination till-lock.	Nov. 16, 1875	776	246	8	851
8, 223	Peacock, Hyla H., Philadelphia, Pa. Wall bracket. (Design.)	Mar. 23, 1875			7	466
167, 115	Peak, Thomas T., assignor of one-half interest to F. B. Woodruff, El Dorado, Iowa. Locomotive-tire heater.	Aug. 24, 1875	913	285	8	353
164, 028	Peake, James B., Washington, D. C., assignor to self and Walton Brothers, New York, N. Y. Device or clamp for stopping leaks in water and other pipes.	June 1, 1875	160	56	7	953
168, 282	Pearee, Arthur C., Milan, Tenn. Cotton-cleaner.	Sept. 28, 1875	860	274	8	528
167, 560	Pearee, Henry, Cincinnati, Ohio. Automatic brake for elevators.	Sept. 7, 1875	158	50	8	438
160, 615	Pearee, Henry, assignor to Lane & Bodley, Cincinnati, Ohio. Elevator.	Mar. 9, 1875	333	112	7	405
158, 808	Peard, James S., Northampton, Mass. Coal-sifter.	Jan. 19, 1875	441	147	7	101
6, 536	Peard, John, Brooklyn, N. Y. School settee and desk. (Reissue.)	July 8, 1875	269	79	8	44
8, 390	Pears, Thomas C., Pittsburg, Pa. Beer-mug, ale-glass, &c. (Design.)	July 15, 1875			7	1013
	Pearsall, Amos. (See Hawley & Pearsall.)					
159, 837	Pearse, Edwin E., New Wandsworth, assignor to Patent Grape Sugar Company, London, England. Manufacture of grape-sugar.	Feb. 16, 1875	577	192	7	276
164, 029	Pearse, John B., Philadelphia, Pa. Apparatus for manufacturing iron and steel.	June 1, 1875	161	57, 58	7	953
6, 204	Pearson, Samuel, Cincinnati, Ohio, assignor to Emanuel G. Gory. Bed-bottom. (Reissue.)	Jan. 5, 1875	186	64	7	35
158, 516	Pearson, Thomas T., Hopewell Corners, Canada. Steam-generator for cooking.	Jan. 5, 1875	146	49	7	29
164, 205	Pearson, Thomas T., assignor of one-half interest to Charles A. McLane, Hopewell Corner, Canada. Vehicle-spring shackle.	June 8, 1875	344	117	7	988
166, 805	Pearson, William, Philadelphia, Pa. Machine for sewing hosiery-seams.	Aug. 17, 1875	604	187	8	302
170, 187	Pearson, William H., Lowell, Mass. Cow-milker.	Nov. 23, 1875	874	273	8	872
160, 137	Pearsons, Harrison C., Ferrysburgh, Mich. Apparatus for finding true meridian.	July 27, 1875	997	308	8	182
169, 288	Pease, Buel D., and Robert Campbell, Cohoes, N. Y. Hydrant.	Oct. 26, 1875	939	305	8	720
	Pease, Charles E., et al. (See Krutzsch, William, assignor.)					
	Same. (See Nugent, Richard C., assignor.)					
167, 561	Pease, Cornelius, and George W. Whitacre, Huntington, Ind. Sawing-machine.	Sept. 7, 1875	160	50	8	429
169, 229	Pease, Dan, Floyd, N. Y. Smut-machine.	Oct. 26, 1875	940	305, 306	8	720
158, 435	Pease, F. Wright, Metuchen, N. J. Toy bubble-pipe.	Jan. 5, 1875	70	25	7	19
167, 017	Pease, Julius A., Boston, Mass. Lamp-burner.	Aug. 24, 1875	821	255	8	341
	Pease, Samuel W. (See Benjamin, Edwin, assignor.)					
6, 728	Pease, Webster H., Edgerton, Wis. Tobacco-cutter. (Reissue.)	Nov. 2, 1875	284	91, 92	8	772
160, 544	Peasley, James H., assignor of one-half interest to Charles T. Woodbury, Lawrence, Mass. Loom-shuttle.	Mar. 9, 1875	273	93	7	396
	Peaster, James B. (See Maxwell & Peaster.)					
162, 412	Peberty, Samuel, Philadelphia, Pa. Knitting-machine needle.	Apr. 20, 1875	768	249	7	688
	Peck, Albert S. (See Peck, George E. and Albert S.)					
160, 948	Peck, Charles O., assignor to Nathan G. Brown, Pittsfield, Mass. Corpee-cooler.	Mar. 16, 1875	651	212	7	455
	Peck, Duane. (See Porter & Peck.)					
158, 600	Peck, Ezra A., Sycamore, Ill. Machine for bending metals.	Jan. 12, 1875	237	80	7	57
162, 853	Peck, Franklin, assignor to Silas E. Jeralds and Edwin R. Lawton, West Cheshire, Conn. Bobbin-winder for sewing-machines.	May 4, 1875	107	34	7	761
171, 484	Peck, George E. and Albert S., Geneva, Ill. Hay-loader.	Dec. 28, 1875	821	269	8	1083
	Peck, George S., et al. (See Hartwell, Charles S., assignor.)					
165, 610	Peck, J. Franklin, Springfield, Mass. Life-preserver.	July 13, 1875	466	142	8	81
152, 517	Peck, Winfield S., North Norwich, N. Y. Car-coupling.	Jan. 5, 1875	147	49	7	29
161, 702	Peckham, James M., Fall River, Mass. Loom-shuttle.	Apr. 6, 1875	95	33	7	583
171, 011	Peckham, John A., assignor of one-half interest to Charles A. Stokes, New Haven, Conn. Cordage-machine.	Dec. 14, 1875	361	129	8	1006
171, 418	Peckham, William C., Troy, Ohio. Grave-vault.	Dec. 21, 1875	743	244	8	1064
165, 251	Peckham, William H., Big Springs, Kans. Eyeglass.	July 6, 1875	100	30	8	22
	Peckinpangh, Abraham N. (See Dilger & Dunn, assignors.)					
	Pedigo, Henry C. (See Nelson, George, assignor.)					
171, 163	Peeler, Abner, assignor to L. F. Olesen and H. A. Dering, Fort Dodge, Iowa. Sewing-machine shuttle.	Dec. 14, 1875	484	160	8	1022
168, 283	Peeler, John P., Booneville, Miss. Bee-hive.	Sept. 28, 1875	861	275	8	551
	Peet, Perry A. (See Brown & Peet.)					
169, 473	Peet, John T., Cincinnati, Ohio. Machine for operating molders' match-plates.	Nov. 2, 1875	136	45	8	754
	Peet-Molding Machine Company. (See Peet, Poland & Willis, assignors.)					
163, 604	Peet, Samuel J., Melville C. and John C. Poland, jr., Boston, and Joseph W. Willis, Canton, assignors, by mesne assignments, to Peet Molding Machine Company, Boston, Mass. Molding-machine.	May 25, 1875	856	270	7	889
	Pein, P. Hermann. (See Peys & Pein.)					
170, 298	Peiree, George W., Arlington Heights, Mass. Curtain-fixture.	Nov. 23, 1875	972	301	8	885
163, 605	Peiree, Isaac N., Philadelphia, Pa. Folding school-desk.	May 25, 1875	858	270	7	890
166, 718	Peiree, Joseph M., and Frank M. Kinsman, Fitchburgh, Mass. Cylinder saw.	Aug. 17, 1875	527	161	8	290
164, 030	Peiree, Robert O., and William H. Foye, assignors to William H. Foye, Portland, Me. Temporary binder.	June 1, 1875	164	58	7	953

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 194	Pelton, George M., assignor of one-fourth interest to F. B. Rice, Warren, Pa. Head-block for saw-mills	Aug. 31, 1875	1008	313	8	374
	Penuberton, Elibu W. (See Hollingsworth, Joseph, assignor.)					
164, 760	Pence, George, Gilman, Iowa. Invalid-bedstead	June 22, 1875	874	285	7	1076
165, 611	Pendleton, Marcellus A., Geneva Lake, Wis. Printing-press	July 13, 1875	466	143	8	81
6, 726	Penfield, Elmora. (See Parker, Edward, assignor.)					
	Peun, Worden P., assignor of one-half interest to Henry Rentchler, Belleville, Ill. Seed-ing-machine	Nov. 2, 1875	281	91	8	772
168, 777	Pennepacker, Joseph, Philadelphia, Pa. Burglar-alarm	Oct. 11, 1875	440	143	8	635
168, 410	Pennie, John, jr., Albany, N. Y. Crozing staves	Oct. 5, 1875	83	28	8	576
164, 476	Penniston, William H., Fox, Mo. Hay-press	June 15, 1875	614	199	7	1032
161, 268	Pennock, Joseph L., Coatesville, Pa. Chill for puddling-furnaces	Mar. 23, 1875	959	312	7	504
160, 707	Pennyacker, Herbert E., Phoenixville, Pa. Seed-planter	Mar. 9, 1875	416	138	7	417
6, 471	Pennyacker, John, Ridley Park, Pa. Horse-rake	June 1, 1875	215	75, 76	7	959
164, 761	Pennyacker, William G., Wilmington, Del. Centrifugal machine for making paper barrels	June 22, 1875	875	285	7	1077
165, 501	Penoyer, Hiram, Anna, Ill. Bee-hive	July 13, 1875	368	109	8	66
162, 413	Penton, Thomas, Sarnia, Canada. Cooking-stove and steam-heater	Apr. 20, 1875	769	{ 249 } { 250 }	7	689
161, 150	Pentz, Levi, assignor to self and Henry W. Werts, Canton, Ohio. King-bolt	Mar. 23, 1875	844	275	7	459
163, 606	Peper, Christian, Saint Louis, Mo. Hydraulic press	May 25, 1875	859	270	7	890
163, 607	Same	May 25, 1875	859	271	7	890
	Percy, James H. (See Schoermesser, Christian H., assignor.)					
170, 641	Perego, Alfred, New York, N. Y. Sleeve-adjuster	Nov. 30, 1875	1306	412	8	939
	Periam, C. D., et al. (See Long, Charles B., assignor.)					
	Perin, Alexandre. (See Guicheteau & Perin.)					
171, 419	Perkins, Charles B., assignor to self and William Higgins, Kenduskeag, Me. Horse-rake	Dec. 21, 1875	744	244	8	1064
170, 449	Perkins, Charles H., Providence, R. I. Rolling-mill	Nov. 30, 1875	1124	354	8	915
163, 242	Perkins, Charles H., Bloomington, Ill., assignor to George Westinghouse, jr., Pittsburgh, Pa. Valve for air-brakes	May 11, 1875	486	158	7	818
162, 252	Perkins, Francis B., assignor to Whittier Machine Company, Boston, Mass. Safety-catch for elevators	Apr. 20, 1875	614	200	7	670
170, 585	Perkins, Francis B., and Walter S. Dodds, Elgin, Ill. Picture-holder	Nov. 30, 1875	1252	394	8	932
171, 042	Perkins, Fred B. (See Alderman, Frank R., assignor.)					
171, 042	Perkins, George C., deceased, Hartford, Conn., by George Roberts, administrator. Bed-bottom frame	Dec. 14, 1875	362	120	8	1006
165, 362	Perkins, George H., Philadelphia, Pa., assignor to self and Joseph Le Comte, New York, N. Y., and Atlantic Refining Company, Philadelphia, Pa. Soldering apparatus	July 6, 1875	199	60	8	26
167, 356	Same.....Apparatus for facilitating the filling, soldering, and handling of cans	Aug. 31, 1875	1146	360	8	393
169, 372	Same.....Liquid-fuel burner	Nov. 2, 1875	51	15	8	741
171, 164	Same.....Oil-can nozzle	Dec. 14, 1875	486	160	8	1022
158, 731	Perkins, George T., Saint Elmo, Ill. Car-coupling	Jan. 12, 1875	351	119	7	73
	Perkins, John C. (See Bannister, Perkins & Stoddard.)					
	Perkins, John M., et al. (See Fuller, George W., assignor.)					
6, 795	Perkins, John M., assignor to R. R. Perkins, Asbury, N. J. Carpet-living	Dec. 14, 1875	536	.....	8	1028
170, 894	Perkins, John M., Washington, D. C. Sand and gravel heater	Dec. 7, 1875	210	73	8	979
160, 225	Perkins, Joshua, Danielsonville, Conn. Meat-chopper	Feb. 23, 1875	942	309	7	334
171, 314	Same.....Clasp	Dec. 21, 1875	649	213	8	1051
171, 165	Perkins, Orson N., assignor to Edward Miller & Co., West Meriden, Conn. Lamp-filling-can top	Dec. 14, 1875	486	160	8	1022
	Perkins, R. R. (See Perkins, John M., assignor.)					
159, 608	Perkins, Russell B., assignor to E. Miller & Co., Meriden, Conn. Globe-holder for lamps	Feb. 9, 1875	349	116	7	241
164, 589	Perkins, Russel B., assignor to Edward Miller & Co., West Meriden, Conn. Oiler	June 15, 1875	710	231	7	1046
159, 352	Perkins, William A., Salem, Mass. Caster for furniture	Feb. 2, 1875	102	35	7	198
6, 354	Perley, Charles, New York, N. Y., assignor to Calvin Hersome, Boston, Mass. Shoo. (Reissue)	Mar. 30, 1875	1281	412	7	555
169, 033	Pernot, Charles, St. Chamoud, France. Inclined revolving puddling-furnace	Oct. 19, 1875	686	226	8	677
167, 018	Perot, Edward S., and Harry C. Beitenman, Philadelphia, Pa. Chuck	Aug. 24, 1875	922	256	8	341
162, 854	Perrot, George F., Rockport, Tex. Ironing-machine	May 4, 1875	109	35	7	761
161, 269	Perrin, Adelbert W., New York, assignor of one-half interest to James H. Ferguson, Brooklyn, N. Y. Machine for pebbling, graining, and embossing leather	Mar. 23, 1875	959	312	7	504
166, 404	Perrine, H. Lansing, Freehold, N. J. Air-brake	Aug. 3, 1875	205	61, 62	8	327
166, 405	Same.....same	Aug. 3, 1875	207	62	8	328
166, 406	Same.....same	Aug. 3, 1875	208	62, 63	8	328
169, 575	Same.....Double-acting air-brake	Nov. 2, 1875	235	77	8	766
160, 791	Perrins, John, San Francisco, Cal. Combined parasol and whip	Mar. 16, 1875	250	167	7	437
	Perry & Co. (See Hunt, Zebulon, assignor.)					
166, 222	Perry, Benjamin P., and Orrin S. Mote, Richmond, Ind. Head-block for saw-mills	Aug. 3, 1875	35	11	8	204
170, 188	Perry, Charles, Portland, Me. Fishing-rod case	Nov. 23, 1875	874	273	8	872
168, 411	Perry, Edward L., Ridgewood, N. J. Pump for raising heavy liquids	Oct. 5, 1875	83	28, 29	8	577
169, 190	Perry, Edwin H., Lancaster, Pa. Click for ratchet-wheels	Oct. 26, 1875	848	277	8	708
170, 189	Perry, Eli, and Andrew J. Manley, Fox Lake, Wis. Hay-loader	Nov. 23, 1875	875	274	8	872
8, 310	Perry, Elizabeth W., Cincinnati, Ohio. Fan	May 4, 1875	.....	.....	7	742
161, 897	Perry, Ezra A., jr., and George M. Dwight, Oregon, Ill. Head-block	Apr. 13, 1875	283	95	7	621
159, 212	Perry, Henry C., Wilkesbarre, Pa. Sash-holder	Jan. 26, 1875	842	275	7	162
170, 586	Same.....same	Nov. 30, 1875	1253	394	8	932
169, 836	Perry, Henry K., assignor of one-half interest to Martin L. Tupper, Braintree, Mass. Shingling-hatchet	Nov. 9, 1875	520	162	8	809
163, 243	Perry, Isaac A., Oxford, Pa. Stove implement	May 11, 1875	487	158	7	818
166, 296	Perry, James, Brooklyn, N. Y. Mode of securing flexible roofing to roofs	Aug. 3, 1875	102	32	8	214
167, 469	Perry, John G., Kingston, R. I. Nut-lock	Sept. 7, 1875	78	24	8	417
158, 601	Perry, John L., assignor of one-half interest to J. E. Ash, Turner, and W. H. Keith, North Anburn, Me. Shoe-upper	Jan. 12, 1875	238	80	7	57
	Perry, John S. (See Foster, Samuel E., assignor.)					
	Same.....(See Moore, George R., assignor.)					
168, 047	Perry, John S., Andrew Dickey, and Robert Z. Liddle, assignors to John S. Perry, trustee, and executor, Nathan B. Perry, and Andrew Dickey, Albany, N. Y. Magazine cooking-stove	Sept. 21, 1875	621	199	8	511
168, 778	Perry, Joseph R., Wilkesbarre, Pa. Organ-coupler	Oct. 11, 1875	441	{ 143 } { 141 }	8	635
	Perry, Nathan B. (See Perry, Dickey & Liddle, assignors)					
	Perry Safety Car-Coupling Company. (See Perry, William V., assignor.)					

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160, 616	Perry, Walter R., New York, N. Y., assignor of one-half interest to David W. Thompson, New Haven, Conn. Hinge for safe-doors, &c.	Mar. 9, 1875	334	112	7	405
	Perry, W. H. (See Snyder, William B., assignor.)					
160, 949	Perry, William V., Beaver Dam, Wis., assignor of two-thirds interest to John Aiken and Eli Quaintance, Kokomo, Ind. Paper-clip.	Mar. 16, 1875	652	213	7	455
163, 519	Perry, William V., Beaver Dam, Wis., assignor to Perry Safety Car Coupling Company, Kokomo, Ind. Car-coupling.	May 18, 1875	765	{ 242 243	7	870
	(See De Forest, Thomas B., assignor.)					
163, 525	Peterman, Jacob, Short Creek, Ohio. Gate-latch.	Oct. 5, 1875	187	61	8	591
167, 929	Peters, Alfred E., Moncton, Canada. Combination-lock.	Sept. 21, 1875	511	163	8	495
169, 727	Peters, Charles, Mechanicsville, Va., assignor to Charles Boese & Co., New York, N. Y. Reagent for testing the strength of vinegar.	Nov. 9, 1875	407	129	8	796
	Peters, Daniel, et al. (See Brewster, John C., assignor.) (Reissue.)					
6, 236	Peters, Daniel, Burlington, Iowa, assignor, by mesne assignments, to self and Murray Iron Works Company. Meat-chopper.	Jan. 19, 1875	637	211	7	126
	Same. (Reissue.)	Jan. 19, 1875	638	212	7	126
6, 237	Same. (Reissue.)	Jan. 19, 1875	637	211	7	126
165, 022	Peters, Daniel, Cincinnati, Ohio. Carpet stretcher and holder.	June 29, 1875	1130	365	7	1116
	Peters, George B. (See Betts, Ira G., assignor.)					
6, 516	Peters, William, Boston, Mass., assignor, by mesne assignments, to Horatio D. Jarvis. Covering for steam-boilers.	June 29, 1875	1246	401	7	1133
	(Reissue.)					
6, 688	Peters, William, deceased, assignor, by mesne assignments, to Joseph C. Manning, trustee, Baltimore, Md. Packing for steam and other engines.	Oct. 11, 1875	480		8	640
	(Reissue.)					
164, 477	Peters, William D., and George H. Holt, Boston, Mass. Device for automatically discharging water from ships, &c.	June 15, 1875	616	199	7	1032
	(See Timmerholm, Charles J., assignor.)					
160, 708	Petersen, August, Washington, D. C. Combined envelope and letter-sheet.	Mar. 9, 1875	416	138	7	417
163, 529	Same. Postal card.	May 18, 1875	707	243	7	870
167, 619	Same. (Design.)	Jan. 12, 1875	280	94	7	63
165, 206	Peterson, Albert H., Philadelphia, Pa. Water cooler and filter.	Jan. 12, 1875	280	94	7	63
	Peterson, Andrew A., assignor of one-half interest to Nels J. Nelson, Chicago, Ill. Cooking-stove ventilator.	June 8, 1875	345	118	7	989
163, 689	Peterson, Jacob G., Morgantown, N. C. Motor.	May 25, 1875	923	294	7	899
164, 760	Same. Bridle-bit.	June 15, 1875	710	231	7	1046
163, 576	Peterson, Nicolai, Chicago, Ill. Oil-can.	Nov. 2, 1875	236	78	8	766
162, 856	Peterson, Peter, New Bedford, Conn. Fireman's extension-ladder.	May 4, 1875	110	35	7	761
7, 989	Petit, Eugene, Paris, France, assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Carpet.	Jan. 5, 1875			7	5
7, 990	Same. (Design.)	Jan. 5, 1875			7	5
7, 991	Same. (Design.)	Jan. 5, 1875			7	5
163, 521	Petitdidier, Jean B. C. H., St. Denis, France. Process of dyeing silk fabric.	May 18, 1875	768		7	870
158, 975	Petrie, Simon E., and Adam C. Henslee, Minier, Ill. Car-coupling.	Jan. 19, 1875	599	199	7	121
162, 855	Petry, Nickolaus, Rockport, Mo. Extension-table.	May 4, 1875	109	35	7	761
164, 207	Same. (Design.)	June 8, 1875	346	118	7	989
166, 806	Petry, John, New York, N. Y. Sofa-bedstead.	Aug. 17, 1875	605	187	8	302
159, 444	Pettengill, Manasseh, Minneapolis, Minn., assignor of one-half interest to W. A. Merriam, Minneapolis, Minn. Car-coupling.	Feb. 2, 1875	184	62	7	210
170, 587	Pettes, Moses M., Worcester, Mass. Machine for making coal-dust, &c., into blocks.	Nov. 30, 1875	1254	395	8	932
169, 116	Pettis, Isaac and William G., Putnam, Conn. Attachable vehicle-runner.	Oct. 26, 1875	789	{ 255 256	8	698
	Pettis, William G. (See Pettis, Isaac, and William G.)					
159, 116	Pettit, Ethan H., assignor to self and Dellamar Wade, Twin Lake, Mich. Spring-bolt fastening for tongues, whiffletrees, &c.	Jan. 26, 1875	754	248	7	149
	Pettyjohn, Louisa B. (See Millet, John W., assignor.)					
165, 363	Peugh, Norman R. (See Ransom & Peugh.)					
165, 363	Pevey, Charles K., Worcester, Mass. Flier for spinning-machines.	July 6, 1875	200	60	8	36
	Pevey, John M. (See Foss, John F., assignor.)					
164, 591	Peyer, Jacob, Berne, Switzerland. Artificial palate.	June 15, 1875	711	231	7	1046
163, 690	Peyer, Johann, Wahrung, Austria, assignor to Joseph R. Von Wessoley, New York, N. Y. Window-blind.	May 25, 1875	924	294	7	899
8, 878	Pfaelzer, Simon, Philadelphia, Pa. Breast-pin.	Dec. 28, 1875			8	1076
171, 315	Pflanzenstiel, Charles, Memphis, Tenn. Cork for bottling beer and similar liquids.	Dec. 21, 1875	650		8	1051
158, 976	Pfautz, Daniel M., and Leopold Steruberger, Philadelphia, Pa. Hoisting-apparatus.	Jan. 19, 1875	600	199	7	121
163, 403	Pfeifer, Phillip, New York, N. Y. Lumber-drier.	May 18, 1875	654	209	7	856
167, 470	Pfeiffer, Anselm, New York, N. Y. Glass monument.	Sept. 7, 1875	78	24	8	417
169, 474	Pfeiffer, Jacob, assignor to self and Paul Koch, Brooklyn, N. Y. Yeast-compound.	Nov. 2, 1875	137		8	754
159, 445	Pfaff, August, Baltimore, Md. Funnel.	Feb. 2, 1875	184	63	7	210
159, 960	Pfund, Anthony, New York, N. Y. Fanecet.	Feb. 16, 1875	691	230	7	292
	Pharis, Isaac K. (See Aldrich, George W., assignor.)					
164, 325	Phelan, William D., Pittsburgh, Pa. Wire rack for exhibiting shirts.	June 8, 1875	459	152	7	1003
158, 732	Phelan, George W., Chicago, Ill. Freight-car door.	Jan. 12, 1875	352	119	7	73
160, 839	Phelps, Benjamin F., Kansas City, Mo. Device for moving railway-cars.	Mar. 16, 1875	558	181	7	442
161, 544	Phelps, Daniel T., and Charles W. Edmonds, San Francisco, Cal. Fire-alarm register.	Mar. 30, 1875	1237	398	7	549
	Phelps, Fitch. (See Eldredge, Alonzo W., assignor.)					
	Phelps, George. (See Beddow & Jackson, assignors.)					
	Phelps, George H. (See Frost & Phelps.)					
161, 151	Phelps, George M., Brooklyn, N. Y. Printing-telegraph.	Mar. 23, 1875	845	{ 275 276 192 193	7	490
168, 919	Same. (Design.)	Oct. 19, 1875	583		8	663
166, 629	Phelps, Gilson V., assignor to self and George W. Ingraham, Newark, Ohio. Machine for sharpening mowing-machine knives, &c.	Aug. 10, 1875	423	131	8	267
164, 478	Phelps, Ira M., assignor of one-half interest to John H. Scott, Philadelphia, Pa. Permanent flour of cauphor.	June 15, 1875	617		7	1032
159, 961	Phelps, Myron D., Bristolville, Ohio. Lightning-rod.	Feb. 16, 1875	691	230	7	292
	Phelps, William H., et al. (See Fell, Ambrose G., assignor.)					
	Phelps, William J., et al. (See Gilson, Jacob H., assignor.)					
	Same. (See Kempshall, Eleazer, assignor.)					
	Phelps, William M. (See Eggleston & Phelps.)					
	Philadelphia Disintegrating Mill and Manufacturing Company. (See Hendricks, J. Moore, assignor.)					
162, 414	Philbrick, Alvah A., Cold Water, Mich. Wheel for vehicles.	Apr. 20, 1875	770	250	7	689
6, 472	Philbrick, Warren C., Lynn, Mass., assignor to Jos. D. Husbands, Saint Louis, Mo. Fire-kindler.	June 1, 1875	217	76	7	959
	(Reissue.)					
	Phillip, William H., trustee. (See Graham, William A., assignor.)					
170, 895	Phillippi, Frederick, Saint Louis, Mo. Water-meter.	Dec. 7, 1875	211	73	8	979
6, 639	Phillips, Dewey, Shaftsbury, Vt., and William Reid, West Hebron, N. Y., assignors to William Reid. Manufacture of barrels.	Oct. 11, 1875	492	159	8	642
	(Reissue.)					



Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. g	Vol.	Page.
164, 031	Phillips, William J., Philadelphia, Pa. Electric signaling and recording apparatus	June 1, 1875	164	52, 59	7	959
163, 244	Phillippi, Francis A., Reading, Pa. Picture-frame hanger	May 11, 1875	488	158	7	818
162, 415	Phillippi, Francis A., assignor to Charles F. Glase and Simon H. Foreman, Reading, Pa. Knife-cleaner	Apr. 20, 1875	771	250	7	689
166, 630	Phillips, Albert J. R., et al. (See Phillips, Samuel R., assignor.) Phillips, Albert J. R., assignor to Samuel R., C. L., and Albert J. R. Phillips, Philadelphia, Pa. Ice-creeper	Aug. 10, 1875	424	131	8	267
166, 550	Phillips, Augustus K., New York, N. Y. Needle-wrapper	Aug. 10, 1875	354	109	8	257
160, 277	Phillips, B. W., et al. (See Muther & Hentschel, assignors.) Phillips, Charles B., Chicago, Ill. Railway-rail joint	Mar. 2, 1875	20	8	7	531
159, 446	Phillips, Charles H., New York, N. Y. Manufacturing milk of magnesia	Feb. 2, 1875	185		7	210
	Phillips, Charles L., et al. (See Phillips, Samuel R., assignor.) Phillips, C. L., et al. (See Phillips, Albert J. R., assignor.) Phillips, Eldred H. (See Beckwith & Brown, assignors.) Phillips, George A., et al. (See Souter, Joseph, assignor.) Phillips, George H., Troy, N. Y. Reservoir cooking-stove	May 4, 1875	111	36	7	761
162, 857	Phillips, Henry H., Buffalo, N. Y. Machine for painting cloth	Sept. 14, 1875	373	119	8	466
161, 057	Phillips, James, Thornton, Ind. Revolving harrow	Mar. 23, 1875	753	248	7	478
163, 884	Phillips, John V., New Buffalo, Mich. Hold-back	June 1, 1875	41	14	7	936
170, 764	Phillips, Joseph, Smithton, Ill. Plow	Dec. 7, 1875	102	32	8	964
	Phillips, Menzo D. (See Carr & Phillips.) Phillips, Moreau, Springfield, Ill. Cheese-cutter	Jan. 5, 1875	148	50	7	29
158, 518	Phillips, Moreau, assignor of one-half interest to Horace A. Morgan, Springfield, Ill. Excavator	Mar. 13, 1875	960	313	7	505
171, 529	Phillips, Nathan M., New York, N. Y. Safety-pin	Dec. 28, 1875	865	283	8	1089
163, 404	Phillips, Orson D., Lisle, N. Y. Implement for loading fire-arms	May 18, 1875	654	209	7	856
165, 861	Phillips, Phineas W., Salem, Mass. Curtain-roller	July 20, 1875	723	220	8	132
153, 447	Phillips, Samuel R., et al. (See Phillips, Albert J. R., assignor.) Phillips, Samuel R., assignor to self and Charles S. and Albert J. R. Phillips, Philadelphia, Pa. Ice-creeper	Feb. 2, 1875	186	63	7	210
165, 686	Phillips, Thomas J., Washington, D. C. Sketching and phonographic case	July 20, 1875	552	168	8	108
170, 013	Phillips, William H., Bridgeton, N. J. Crank-stop	Nov. 16, 1875	687	215	8	839
6, 233-	Phillips, William N., Normal, Ill. Fire-place heater	Jan. 12, 1875	404	136	7	80
158, 809	Phillips, Zachariah C., Pittsburgh, Pa. Boring-machine	Jan. 19, 1875	442	147	7	101
	Phillipson, Raphael. (See Goldstein, Jacob, assignor.) Philp, John W., Humboldt, Tenn. Bale-tie	Jan. 12, 1875	352	120	7	73
158, 733	Same	Apr. 6, 1875	203	68	7	598
161, 819	Same	May 18, 1875	768	243	7	870
163, 522	Same	May 25, 1875	1022	324	7	912
163, 803	Same. Cotton-bale tie	Oct. 26, 1875	790	256	8	699
169, 117	Phinney, Charles H., Boston, Mass. Revolution-indicator	Mar. 2, 1875	20	8	7	351
160, 278	Phinney, Smith H., assignor to William S. Rowe, Rochester, N. Y. Curtain-fixture					
	Phipps, Frank H. (See Gill, Jabez H., assignor.) Phipps, James, Philadelphia, Pa. Nulia	July 6, 1875			8	4
8, 455	Same	July 6, 1875			8	4
8, 456	Same					
166, 631	Phipps, Thomas L., Birmingham, England. Animal-clipper	Aug. 10, 1875	424	{ 131 132 }	8	267
160, 709	Phoenix, James H., and John Curtis, Cincinnati, Ohio. Spring-vehicle	Mar. 9, 1875	417	139	7	417
160, 118	Pickel, Russel, assignor to self, Joseph G. Sawyer, and D. Kingsley, Keeseville, N. Y. Railway-rail joint	Feb. 23, 1875	850	280	7	321
161, 820	Pickels, James C., et al. (See Collins, M. Grier, assignor.) Picken, Matthew and William, Birmingham, England. Vise Picken, William. (See Picken, Matthew and William.) Pickering, Cyrus C., et al. (See Johnson, Henry M., assignor.)	Apr. 6, 1875	203	68, 69	7	598
163, 405	Pickering, Isaac P., Table Grove, Ill. Horseshoeing-harness	May 18, 1875	655	209	7	856
168, 181	Same	Sept. 28, 1875	772	245	8	538
158, 650	Pickering, Joseph, assignor of one-half interest to Joseph M. Pickering, Philadelphia, Pa. Machine for combing and cutting grass and bristles	Jan. 12, 1875	281	94	7	63
170, 766	Pickering, Joseph M. (See Pickering, Joseph, assignor.) Pickering, William H., Boston, Mass. Weather-vane	Dec. 7, 1875	104	33	8	964
169, 728	Pickersgill, John A. (See Hagerty, Thomas, assignor.) Pickett, Andrew G., jr., Yuma Depot, Ariz. King-bolt	Nov. 9, 1875	408	129	8	796
166, 297	Pickett, Fannie L., Florence, Ala. Shirt-bosom	Aug. 3, 1875	103	32	3	214
162, 098	Pickett, Valentine W., Baldwin, Iowa. Churn	Apr. 13, 1875	451	150	7	642
6, 321	Pickles, James C., Wilmington, Del., assignor of one-half interest to James P. Hayes. Car-spring	Mar. 9, 1875	450	149	7	421
161, 058	Pidgeon, George S., Pulaski County, Ill. Insulating-block for telegraph-lines	Mar. 23, 1875	754	248	7	479
164, 872	Piehl, John F., assignor of part interest to John H. McIntyre and James E. Taylor, Richmond, Ind., and George Krick, Philadelphia, Pa. Stove-pipe elbow	June 22, 1875	983	317	7	1090
166, 029	Same	July 27, 1875	891	275	8	167
170, 767	Same	Dec. 7, 1875	104	33	8	964
169, 729	Pienovi, Joseph, Newark, N. J. Rubber boot	Nov. 9, 1875	409	{ 129 130 }	8	796
6, 750	Pierce, Charles L., and Horace A. Pinkham, assignors to George F. Pinkham, Boston, Mass. Hot-air furnace	Nov. 16, 1875	831	261	8	858
166, 807	Pierce, Charles V., New York, N. Y. Rotary steam-boiler	Aug. 17, 1875	606	187	8	302
161, 983	Same					
167, 116	Pierce, David J., assignor of one-half interest to Christopher A. Scranton, New Haven, Conn. Game apparatus	Apr. 13, 1875	354	119	7	629
	Pierce, Dexter L., and Frank W. Griswold, Providence, R. I. Fire-alarm register	Aug. 24, 1875	913	285	8	351
	Pierce, Elizabeth A., administratrix. (See Pierce, Silas L.) Pierce, Frank W. (See Hadcock & Pierce.) Pierce, Franklin R., et al. (See Pierce, James D., assignor.)					
167, 784	Pierce, George R., Grand Rapids, Mich. Spoon-hook for fishing	Sept. 14, 1875	374	119	8	466
160, 465	Pierce, James D., assignor of two-thirds interest to John B. Smith and Franklin R. Pierce, Milwaukee, Wis. Lamp-holder	Mar. 2, 1875	186	64	7	375
166, 551	Pierce, James D., assignor of one-half interest to John B. Smith, Milwaukee, Wis. Stench-trap	Aug. 10, 1875	355	109	8	257
166, 552	Same	Aug. 10, 1875	355	109	8	257
167, 270	Same	Aug. 31, 1875	1071	334	8	383
167, 562	Pierce, James D., and John B. Smith, Milwaukee, Wis. Fire-proof shutter					
	Pierce, James D., assignor of one-half interest to John B. Smith, Milwaukee, Wis. Water-tube boiler	Sept. 7, 1875	160	50	8	429
170, 490	Same	Nov. 30, 1875	1162	366	8	920
165, 862	Pierce, John A., Philadelphia, Pa. Carbureter	July 20, 1875	724	230	8	132
164, 592	Pierce, Marvin, Minneapolis, Minn. Heating-stove	June 15, 1875	711	232	7	1046

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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162, 189	Pierce, Silas L., deceased, by Elizabeth A. Pierce, administratrix, Escconawba, Mich. Ore-car	Apr. 20, 1875	555	182	7	662
160, 226	Pierce, Truman L., assignor of one-half interest to Joseph M. Segur, Akron, Ohio. Engine-hose	Feb. 23, 1875	942	310	7	334
166, 138	Pieri, Jacques P., Ghisoni, Corsica, assignor to William Smith, London, England. Breech-loading fire-arm	July 27, 1875	1000	308	8	183
	Pierpont & Tuttle. (See Pierpont, Joshua, assignor.)					
170, 896	Pierpont, Joshua, assignor to Pierpont & Tuttle, Bushnell, Ill. Whiffletree-cyo	Dec. 7, 1875	212	73	8	979
171, 420	Pierpont, Joshua, Bushnell, Ill. Cultivator	Dec. 21, 1875	745	245	8	1064
	Pierson, James T. (See Miller, Martin D., assignor.)					
165, 863	Pierston, William A., Valley Forge, Pa. Bridle-bit	July 20, 1875	725	221	8	132
169, 373	Pifer, Michael, Eureka, Ill. Cooking-steamer	Nov. 2, 1875	52	16	8	742
8, 160	Piggott, George W., New York, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet	Feb. 23, 1875			7	302
	Piggott, Jabez J., et al. (See Rawson, George W., assignor.)					
162, 303	Pigot, James, Brooklyn, N. Y. Lamp-burner	Apr. 20, 1875	659	215	7	676
8, 415	Pike, Charles F., Philadelphia, Pa. Vase. (Design)	June 23, 1875			7	1057
163, 691	Pike, Edwin S., assignor to George Crompton, Worcester, Mass. Needle-frame	May 25, 1875	925	294	7	899
167, 357	Same. same	Aug. 31, 1875	1147	361	8	394
165, 252	Pike, Hervey L., Seattle, Wash. Baling-press	July 6, 1875	101	30	8	22
	Pike, Ruthven W. (See Ingalls, William A., assignor.)					
160, 279	Pike, William G., Philadelphia, Pa. Flue-cleaner	Mar. 2, 1875	21	8	7	352
171, 316	Pilbony, C. Albert, Saint Louis, Mo. Toy gun	Dec. 21, 1875	650	213	8	1052
	Pilkington, Joseph W. (See Ives & Pilkington.)					
166, 632	Pillard, Oliver E., assignor to F. H. North, New Britain, Conn. Time-lock	Aug. 10, 1875	426	132	8	267
171, 043	Pillsbury, Daniel D. C., Lynn, assignor to self and Cyrus D. Hunt, Fairhaven, Mass. Shoe-nail	Dec. 14, 1875	363	121	8	1006
164, 326	Pinkerton, John, Philadelphia, Pa. Die for forming the eyes of hammers	June 8, 1875	460	152	7	1003
	Pinkham, George F. (See Pierce & Pinkham, assignors.)					
	Pinkham, Horace A. (See Pierce & Pinkham.)					
	Pinkney, Robert. (See Sellon & Pinkney.)					
165, 502	Pinks, Thomas R., Bristolville, Ohio. Pick	July 13, 1875	369	109	8	66
160, 029	Pinney, Forest L., and Robert H. Hasty, Anoka, assignors of one-third interest to C. F. Washburn, Minneapolis, Minn. Lumber-carrier	Feb. 23, 1875	776	256	7	310
171, 166	Pinney, Norman G., New Hudson, Mich. Plow	Dec. 14, 1875	487	161	8	1022
	Pins, Henry. (See Gmeiner, Mathias, assignor.)					
162, 946	Pintsch, Richard, Berlin, Prussia. Apparatus for lighting railway-cars	May 4, 1875	195	64	7	773
162, 947	Pintsch, Richard J., Berlin, Prussia. Treating leather for gas-regulator diaphragms	May 4, 1875	196		7	773
	Piper, Anson S., et al. (See Nelson, Nels P., assignor.)					
161, 152	Piper, John L., and John A. Nichols, Pittsburgh, Pa. Machine for corrugating sheet-metal	Mar. 23, 1875	847	276	7	490
167, 117	Piper, John L., Pittsburgh, Pa. Machine for capping the joint-flanges of hollow columns and cylinders	Aug. 24, 1875	915	285	8	354
	Piper, Seth, et al. (See Nelson, Nels P., assignor.)					
	Piper, Thomas, et al. (See Nelson, Nels P., assignor.)					
6, 565	Pipo, John A., assignor, by mesne assignments, to George H. Wooster, New York, N. Y. Machine for making ruffles. (Reissue)	July 27, 1875	1049	322	8	189
8, 449	Pisch, Francis L., New York, N. Y. Advertising-lantern. (Design)	June 29, 1875			7	1098
	Pitcairn, Robert, et al. (See Kinzer, Jacob, assignor.)					
167, 687	Pitcher, Edward, Brooklyn, N. Y. Sinker for fishing-lines	Sept. 14, 1875	283	89	8	453
	Pitcher, Herbert A., et al. (See Johnson, William H., assignor.)					
164, 933	Pitkin, Albert P., Hartford, Conn. Heating and ventilating public buildings	June 29, 1875	1059	341	7	1107
162, 495	Pitt, William, assignor of one-half interest to Charles A. Vogeler and Adolph C. Meyer, Baltimore, Md. Machine for cutting meat for packing	Apr. 27, 1875	867	278	7	709
160, 030	Pitts, John H., Oakland, Cal. Compound for the prevention of scales in steam-boilers	Feb. 23, 1875	776		7	310
163, 245	Pitts, John H., San Francisco, Cal. Broom-handle socket	May 11, 1875	458	159	7	818
	Pitts' Sons Manufacturing Company, H. A. (See Coy, Franklin D., assignor.)					
	Pittsburgh Chain and Car Link Manufacturing Company. (See Hershey, Benjamin, assignor.)					
	Same. same. (Reissue.)					
	Pittsburgh Steel Casting Company. (See Hainsworth, William, assignor.)					
	Same. (See McCune, William H., assignor.)					
170, 391	Place, Delavan C., Gloversville, N. Y. Scaffold	Nov. 23, 1875	1056	332	8	897
170, 765	Place, Walk-ee, and Robert Cunningham, Cambridge, Mass. Polishing-machine for boots and shoes	Dec. 7, 1875	103	32	8	964
	Planck, Elijah. (See Fouts & Planck.)					
158, 436	Planck, John H., Bloomfield, Iowa. Sewing-machine caster	Jan. 5, 1875	71	25	7	19
	Plant, Frederick. (See Bartlett & Plant.)					
163, 804	Plant, Pascal, assignor of one-half interest to Peter Hannay, Washington, D. C. Laced boot and shoe	May 25, 1875	1023	324	7	912
	Planters' Cotton-Tie Association. (See Jordau, William A., assignor.)					
166, 407	Plautron, Charles N., Rouen, France. Cylinder for carding-machines	Aug. 3, 1875	209	63	8	228
161, 351	Plastridge, Asa A., Chicago, Ill. Bottle for mustard	Mar. 30, 1875	1049	341	7	521
168, 668	Platt, Benjamin F., Vienna, La. Cotton-press	Oct. 11, 1875	346	113	8	621
163, 103	Platt, Gloud, Colliersville, N. Y. Horse bay-rake	May 11, 1875	359	117	7	802
	Platt, James F. (See Tracy & Platt.)					
163, 406	Platt, John W., Mineral City, Nev. Machine for removing broken drills from holes	May 18, 1875	655	209	7	856
164, 216	Pleas, Maurice E., North Manchester, Ind. Tailor's shears	June 8, 1875	461	152	7	1091
168, 284	Plessner, Johann M., London, England. Advertising-table	Sept. 28, 1875	862	275	8	551
171, 485	Ploss, Adam, Menomonee Falls, Wis. Sewing-machine	Dec. 28, 1875	822	{ 269 } { 270 }	8	1083
163, 885	Plumb, Freeman B., New York, N. Y., assignor to J. B. Brewster & Co. Slat-iron for carriage-tops	June 1, 1875	42	14	7	936
	Plumb, George, et al. (See Peacock, George H., assignor.)					
	Plumb, George E., et al. (See Cox, Albert F., assignor.) (Reissue.)					
	Plume and Atwood Manufacturing Company. (See Atwood, Lewis J., assignor.)					
	Plume, David J. (See Belcher & Plume.)					
168, 920	Plummer, Jerome H., Brooklyn, N. Y. Scroll-sawing machine	Oct. 19, 1875	585	193	8	663
164, 100	Plymale, Sebastian, Portland, Oreg. Dynamic wrench	May 8, 1875	253	87	7	976
163, 216	Plympton, Charles R., Jersey City, N. J. Vest	May 11, 1875	489	159	7	818
160, 710	Plympton, Nathaniel, Boston, Mass., assignor to Bradley & Hubbard, West Meriden, Conn. Window-bracket hook	Mar. 9, 1875	418	139	7	417
165, 945	Plympton, Warren H., Providence, R. I. Sash-holder	July 27, 1875	815	250	8	156
169, 577	Poage, John N., Cincinnati, Ohio. Water-supply apparatus	Nov. 2, 1875	237	78	8	766
164, 762	Poindexter, Robert E., Anderson, Ind. Saw jointer and gage	June 22, 1875	876	285	7	1077

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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8, 834	Poinier, Charles P., Boston, Mass. Corner-piece for picture-frames . . . . . (Design)	Dec. 7, 1875			8	946
159, 552	Poinier, Charles P., Boston, Mass., assignor to F. A. Howard and H. M. A. Poor, Belfast, Me. Mitering-machine . . . . .	Feb. 9, 1875	369	100	7	234
170, 392	Poinier, Charles P., assignor of one-half interest to George S. Bryant & Co., Boston, Mass. Corner piece and clamp for picture-frames . . . . .	Nov. 23, 1875	1057	332	8	697
166, 139	Poland, John C., jr. (See Peet, Poland & Willis.)					
169, 034	Poland, Melville C. (See Peet, Poland & Willis.)					
166, 139	Polk, Andrew J., Millersburgh, Pa. Dental plugger . . . . .	July 27, 1875	1001	308	8	183
166, 553	Pollard, Leonard L., Worcester, Mass. Hand-vice . . . . .	Oct. 19, 1875	687	227	8	677
167, 563	Polle, Frederick W., Louisa Keisker, and Sallie Polle, Port Gibson, Miss. Art of knitting stockings and other articles . . . . .	Aug. 10, 1875	355	110	8	257
170, 390	Polle, Sallie. (See Polle, Keisker & Polle.)					
159, 888	Polmateer, William A., Johnstown, N. Y. Overstitch sewing-machine . . . . .	Nov. 23, 1875	1055	332	8	897
170, 393	Polster, Ferdinand, Baltimore, Md. Repeating action for pianos . . . . .	Feb. 16, 1875	578	192	7	276
163, 104	Pomeroy, H. Sterling, assignor to Blake Brothers Hardware Company, New Haven, Conn. Reversible latch . . . . .	Nov. 23, 1875	1058	333	8	897
170, 642	Pomeroy, James V., Boulder, Colo. Ore-concentrator . . . . .	May 11, 1875	360	117	7	802
	Same. . . . . same . . . . .	Nov. 30, 1875	1307	413	8	939
168, 285	Poncelet, Mathias. (See Lajoie & Poncelet.)					
161, 821	Pond, Daniel B., Woonsocket, R. I. Washing-machine . . . . .	Sept. 28, 1875	863	276	8	551
6, 322	Pond, Erasmus A., Rutland, Vt. Sphygmoscope . . . . .	Apr. 6, 1875	205	69	7	598
165, 946	Pond, Levi W., assignor to self and Eau Claire Lumber Company, Eau Claire, Wis. Saw-swaging machine . . . . .	Mar. 9, 1875	450	149	7	421
160, 347	Pond, Levi W., Eau Claire, Wis. Saw-mill head-block . . . . .	July 27, 1875	815	250	8	156
160, 348	Pond, Levi W., assignor of one-half interest to Eau Claire Lumber Company, Eau Claire, Wis. Sheer-rudder for booms . . . . .	Mar. 2, 1875	80	28	7	360
	Same. . . . . Saw-mill . . . . .	Mar. 2, 1875	81	28	7	360
167, 785	Pond, Lewis. (See Sprague, William F., assignor.)					
163, 247	Pond, William R., Stockton, Cal. Sphygmoscope . . . . .	Sept. 14, 1875	374	120	8	466
158, 265	Ponsard, Auguste, Paris, France, assignor to William Sellers, Philadelphia, Pa. Process and apparatus for generating gaseous fuel . . . . .	May 11, 1875	490	159	7	818
162, 575	Pontez, Charles, Omaha, Neb. Making artesian and other wells . . . . .	Jan. 19, 1875	492	166	7	108
165, 612	Pontifex, Edward A., London, England. Liquid-measure . . . . .	Apr. 27, 1875	933	300	7	718
170, 014	Ponton, John, Titusville, Pa. Automatic water-test for hydrocarbons . . . . .	July 13, 1875	467	143	8	81
160, 927	Ponvert, Elias, jr., New York, N. Y. Electrical water-raising apparatus . . . . .	Nov. 16, 1875	688	216	8	839
6, 323	Pool, Harris. (See Bailey & Pool.)					
164, 479	Pool, Joseph F., Monroe, Wis. Milk-safe . . . . .	Feb. 23, 1875	943	310	7	334
161, 984	Pool, J. Morton, Wilmington, Del., assignor to self, William T. Porter, and Thomas S. Poole. Machine for grinding rolls or rollers . . . . .	Mar. 9, 1875	451	149	8	421
6, 578	Pool, Thomas S., et al. (See Poole, J. Morton, assignor) . . . . .					
167, 786	Poolman, James, Providence, R. I. Extension-table . . . . .	June 15, 1875	618	200	7	1032
167, 558	Poor, H. M. A., et al. (See Poinier, Charles P., assignor.)					
169, 578	Poore, James M., Burnett, Wis. Beach-vice . . . . .	Apr. 13, 1875	355	119	7	630
163, 779	Pope, Frank L., Elizabeth, assignor to self, James N. Ashley, Greenville, N. J., Stephen C. Hendrickson, Brooklyn, N. Y., and James D. Lincoln, Greenville, N. J. Electric signaling apparatus for railways . . . . .	Aug. 3, 1875	260	78	8	236
	Same. . . . . same . . . . .	Aug. 3, 1875	263	79, 78	8	236
167, 786	Pope, Harvey D., Dayton, Ohio. Device for hanging pictures, mirrors, &c . . . . .	Sept. 14, 1875	376	120	8	466
167, 558	Pope, Willard S., Detroit, Mich. Air-shaft for pneumatic caissons . . . . .	Nov. 30, 1875	1259	396	8	933
163, 779	Poppehnsen, Adolph, College Point, N. Y. Band-comb . . . . .	Nov. 2, 1875	238	78	8	766
170, 492	Popper, David. (See Popper, Joseph, assignor.)					
166, 476	Popper, Joseph, assignor of one-half interest to David Popper, Vienna, Austria. Sediment-collector for steam-boilers . . . . .	Oct. 11, 1875	442	144	8	635
168, 048	Port, Henry, Stapleton, N. Y. Wrench . . . . .	Nov. 30, 1875	1163	367	8	920
159, 213	Porter, Alonzo W., New York, N. Y. Gas-carbureter . . . . .	Aug. 10, 1875	296	88	8	248
162, 416	Porter, Alonzo W., and Francis M. Grimes, New York, N. Y. Air and gas carbureter . . . . .	Sept. 21, 1875	623	199	8	511
168, 780	Porter, Ansell W., Syracuse, N. Y. Egg-holder . . . . .	Jan. 26, 1875	842	275	7	162
165, 176	Porter, Archibald A., Griffin, Ga. Hoe . . . . .	Apr. 20, 1875	771	250	7	689
176, 491	Porter, Archibald A., Griffin, Ga. Hoe . . . . .	Oct. 11, 1875	444	144	8	635
166, 889	Porter, Benjamin S., Ottawa, Ill. Whiffletree-plate . . . . .	July 6, 1875	35	10	8	13
165, 503	Porter, Benjamin S., assignor of one-half interest to Joshua G. Gay, Ottawa, Ill. Thill-coupling . . . . .	Nov. 30, 1875	1163	367	8	920
165, 364	Porter, Charles T., et al. (See Allen, John F., assignor.)					
167, 564	Porter, Christopher B., Philadelphia, Pa. Stand for water-coolers . . . . .	Aug. 17, 1875	683	212	8	313
158, 734	Porter, Edward, New York, N. Y. Damper mechanism for piano-fortes . . . . .	July 13, 1875	370	109	8	67
164, 390	Porter, Edward N., and Melville B. Eaton, Morrisville, Vt. Milk-cooler . . . . .	July 6, 1875	201	60	8	36
162, 858	Porter, Edward N., William E. Hawes, and Charles R. Page, Morrisville, Vt. Rein-holder . . . . .	Sept. 7, 1875	162	51	8	429
164, 390	Porter, Elbert B., Havana, Cuba. Screw-propeller . . . . .	Jan. 12, 1875	533	120	7	73
162, 858	Porter, Frank C. (See Waggoner, Samuel T., assignor.)					
165, 023	Porter, Frederick W., Springfield, Vt. Toy wagon . . . . .	June 15, 1875	534	175	7	1032
159, 839	Porter, Henry, Polo, Ill. Harvester . . . . .	May 4, 1875	112	36, 37	7	762
160, 840	Porter, Henry W., et al. (See Long, George S., assignor.)					
161, 545	Porter, John C., New York, N. Y. Self-setting animal-trap . . . . .	June 29, 1875	1131	365	7	1116
169, 537	Porter, Nancy A., Warren, Ohio. Slate-frame . . . . .	Feb. 16, 1875	579	192	7	277
161, 533	Porter, Nancy A., Warren, Ohio. Slate-frame . . . . .	Mar. 16, 1875	559	181	7	443
167, 564	Porter, Otis F., Bridgeport, Conn. Clothes-piu . . . . .	Mar. 30, 1875	1239	398	7	549
167, 564	Porter, Roger W., Nashua, N. H. Loom-shuttle . . . . .	Nov. 9, 1875	521	163	8	809
158, 437	Porter, Samuel L., and Duane Peck, Rochelle, Ill. Railway-tie . . . . .	Jan. 5, 1875	72	25	7	19
161, 983	Porter, Samuel L., and Duane Peck, Rochelle, Ill. Railway-tie . . . . .	Mar. 23, 1875	848	276	7	490
161, 983	Porter, Stephen, Boston, Mass. Buckle . . . . .	Nov. 16, 1875	777	246	8	851
162, 190	Porter, Thomas W., Revore, Mass. Sled-runner for vehicles . . . . .	Apr. 13, 1875	356	120	7	630
164, 208	Porter, Thomas W., Boston, Mass. Baggage-truck . . . . .	Apr. 30, 1875	555	182	7	662
168, 921	Porter, William M. (See Davenport & Porter.)					
164, 208	Porter, William T., et al. (See Poole, J. Morton, assignor) . . . . .					
168, 921	Portington, Ella, Factoryville, N. Y. Vegetable-dish . . . . .	June 8, 1875	346	118	7	989
162, 190	Posay, H. C., et al. (See Wemyss, Alexander, assignor) . . . . .					
159, 353	Post & Co. (See Briggs, William H. and Arthur C., assignors.)					
162, 190	Post, Andrew J., Jersey City, N. J. Skylight-bar . . . . .	Feb. 2, 1875	102	35	7	198

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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162, 576	Post, Andrew J., Jersey City, N. J. Lift-bridge	Apr. 27, 1875	934	300	7	718
158, 977	Post, Ezra, Lockport, N. Y. Baby-tender	Jan. 19, 1875	601	200	7	122
163, 248	Post, George B., Bernards, N. J. Fire-proof ceiling and floor	May 11, 1875	493	160	7	818
161, 438	Post, John C. (See Agéus & Post) (Design.)					
152, 304	Post, Warren, and Mason Colbert, Warsaw, Mo. Seed-planter	Mar. 30, 1875	1133	365	7	535
162, 581	Postawka, Louis, Cambridgeport, Mass. Table	Apr. 20, 1875	659	215	7	676
168, 582	Potter, Albert H., assignor of one-half interest to John H. McMillan, Chicago, Ill. Barrel arbor for watches	Oct. 11, 1875	265	86	8	609
162, 583	Same.....Escapement for watches	Oct. 11, 1875	266	87	8	609
169, 191	Same.....Compensation-balance for watches	Oct. 11, 1875	267	87	8	609
171, 243	Potter, Bradford S. (See Farrington, George K., assignor.)					
159, 840	Potter, Charles, jr., and James F. Hubbard, Plainfield, N. J. Bearings for distributing rollers of printing-presses	Oct. 26, 1875	849	277	8	708
163, 523	Same.....Inking-apparatus for printing-presses	Dec. 21, 1875	587	192	8	1043
160, 950	Potter, Daniel. (See Heldon, William, assignor.) (Reissue.)					
167, 019	Potter, Elias M., Rutherford Depot, Tenn. Seed-planter	Feb. 16, 1875	530	192	7	277
160, 950	Same.....Cultivator and harrow combined	May 18, 1875	769	243	7	870
167, 019	Potter, Fred S., trustee. (See Lambart, Richard C., assignor.)					
167, 019	Potter, George A., New London, Conn. Device for removing wire fastenings from corks	Mar. 16, 1875	652	213	7	455
167, 019	Potter, George R., Buffalo, N. Y. Elevator for dwellings	Dec. 14, 1875	487	161	8	1092
167, 019	Potter, James E., and Alfred J. Richardson, Providence, R. I. Jeweler's screw-press	Aug. 24, 1875	822	256	8	341
167, 019	Potter, Joseph. (See Abell, Oht, assignor.)					
167, 930	Potter, Nicholas, Troy, N. Y. Horse-power	Sept. 21, 1875	532	163	8	495
160, 928	Potter, Robert M., and William W. Thomas, Jersey City, N. J. Gas-lighting apparatus	Feb. 23, 1875	944	310	7	334
162, 685	Same.....Gas-regulator	Apr. 27, 1875	1038	331	7	731
165, 864	Potter, Sons & Co., Thomas. (See Hutchinson, James, assignor.) (Design.)					
168, 580	Same.....(See Kazy, Henry, assignor.) (Design.)					
160, 119	Potter, Thaddeus, Jackson, Miss. Safety-attachment for pocket-books	July 20, 1875	726	221	8	132
161, 059	Potter, William, Leyden, N. Y. Machine for jointing and dressing circular saws	Oct. 11, 1875	264	86	8	609
164, 209	Potter, William J., assignor to self and Robert M. Wagen, Mount Lebanon, N. Y. Green-corn cutter	Feb. 23, 1875	851	281	7	321
161, 059	Potter, William R. (See Willis, Newel J., assignor.)					
164, 209	Potter, William W. (See Sprague, Watson N., assignor.) (Reissue.)					
162, 305	Potter, Wilson L., Hartford, Conn. Step-ladder	Mar. 23, 1875	754	248	7	479
163, 947	Pottinger, Milton. (See Lamson, Daniel, assignor.)					
162, 305	Potts, Joseph H., Penningtonville, Pa. Adjustable mechanism of dividers, compasses, and calipers	June 8, 1875	347	118	7	989
163, 947	Potwin, William S., Chicago, Ill. Tea-kettle handle	Apr. 20, 1875	660	215	7	676
163, 363	Same.....Coal-vase	July 27, 1875	817	250	8	157
163, 363	Pouch, A. J. (See Anderson, William H., assignor.)					
162, 306	Poulin, Louise, et al. (See Benae, Auguste, assignor.)					
162, 948	Poulson, Britton, Fort Wayne, Indiana. Spoko-socket	July 6, 1875	201	61	8	36
163, 363	Pounder, George H., Fort Atkinson, Wis. Harrow	Apr. 20, 1875	660	216	7	676
163, 253	Pounds, William H., assignor to Thomas J. Martin and David W. Stuart, Philadelphia, Pa. Gas-regulator	May 4, 1875	197	64	7	773
170, 589	Poundstone, Charles N., Grand Ridge, Ill. Safety-clevis	July 6, 1875	102	30	8	23
159, 963	Powell, Amos N., Alvarado, Tex. Bale-tie	Nov. 30, 1875	1259	396	8	933
163, 692	Powell, Edward, New York, N. Y., assignor to Domestic Sewing-Machine Company. Ruffler	Feb. 16, 1875	693	230	7	292
6, 527	Powell, Eugene, Delaware, Ohio. Fence-post	May 25, 1875	926	294	7	899
6, 528	Powell, George. (See Dyer & Powell.)					
6, 529	Powell, James, Cincinnati, Ohio. Globe-cock	July 6, 1875	248	75	8	42
159, 962	Same.....Globe-valve	July 6, 1875	249	75	8	42
6, 306	Same.....same	July 6, 1875	251	75	8	42
6, 522	Same.....Lubricator for steam-engines	Feb. 16, 1875	692	230	7	292
162, 307	Powell, John G., Philadelphia, Pa. Clamp for sewing-machine attachments	Feb. 23, 1875	971	319	7	339
163, 524	Powell, Thomas, Martinsville, Ind., assignor to C. Ivin Hiersome. Boot and shoe. (Reissue.)	June 29, 1875	1252	402	7	1134
163, 524	Powell, Thomas, Stockton, Cal. Hay and grain elevator	Apr. 20, 1875	661	216	7	676
163, 524	Powell, Thomas, Philadelphia, Pa. Burglar-alarm	May 18, 1875	770	244	7	871
169, 579	Powell, William. (See Miller & Powell.)					
164, 652	Power, John H. (See Fenner & Power.)					
164, 652	Power, Thomas E. D. (See Rasines & Power.)					
171, 317	Power, William H., Washington, D. C., and Charles T. Anderson, Clarksburgh, Md. Carriage-top	Nov. 2, 1875	239	78, 79	8	767
163, 805	Powers, Anna, executrix. (See Powers, Timothy J.) (Reissue.)					
6, 618	Powers, Charles H., Philadelphia, Pa. Chuck	June 22, 1875	783	256	7	1064
161, 546	Powers, David J., Chicago, Ill. Bed-loungo	Dec. 7, 1875	31	9	8	955
159, 964	Powers, John, New York, N. Y. Pressure-gage	Dec. 21, 1875	651	213	8	1062
163, 805	Powers, Theodore D., Saint Louis, Mo. Cotton-press	May 25, 1875	1025	324	7	912
161, 546	Powers, Timothy J., deceased, by Anna Powers, executrix, New York, N. Y. Paper-box	Aug. 24, 1875	962	300	8	360
159, 964	Powells, William P., La Crosse, Wis. Filter-well	Mar. 30, 1875	1239	309	7	549
163, 806	Powlesson, William L., San Francisco, Cal. Smoke-consuming furnace	Feb. 16, 1875	695	231	7	292
163, 886	Powls, Leri W., assignor of one-half interest to F. W. Hunt, Valparaiso, Ind. Car-coupling	May 25, 1875	1025	325	7	912
169, 580	Poznanski, Joseph, New York, N. Y. Slate-pencil attachment	June 1, 1875	43	14	7	936
167, 931	Same.....Toy target	Nov. 2, 1875	240	79	8	767
168, 845	Prahar, Louis, New York, N. Y. Pocket-book fastener	Sept. 21, 1875	512	163	8	495
166, 140	Pratt, William E., et al. (See Martin, Thomas J., assignor.)					
168, 182	Prang, Louis. (See Spurr & Prang.)					
166, 140	Pratt & Letchworth. (See Latta, Emmet G., assignor.)					
168, 182	Same.....(See Thornton, James, assignor.)					
166, 140	Pratt and Whitney Company. (See Grant, John J., assignor.)					
168, 845	Pratt, Benoni P., Chicago, Ill. Sewing-machine castor	Sept. 23, 1875	773	245	8	530
168, 846	Pratt, Bentley L., Le Raysville, Pa. Hand-truck	July 27, 1875	1002	308	8	183
168, 846	Pratt, Daniel R. (See Deyoe, Clifford P., assignor.)					
170, 590	Pratt, Daniel R., New York, N. Y. Car-spring	Oct. 19, 1875	513	163	8	653
164, 765	Same.....same	Oct. 19, 1875	513	168	8	653
164, 765	Same.....Rubber spring	Nov. 30, 1875	1260	396	8	933
164, 765	Pratt, Erasmus C., et al. (See Farmer, George P., assignor.) (Design.)					
164, 765	Pratt, Francis A., Hartford, Conn., assignor to Rufus N. Pratt, New York, N. Y. Steam-trap	May 4, 1875	26	9, 10	7	750

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No.	Name, residence, and invention	Date.	Monthly volume.		Official Gazette.	
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164, 391	Pratt, Francis A., assignor to Pratt and Whitney Company, Hartford, Conn. Metal-shearing machine	June 15, 1875	535	176	7	1092
164, 392	Same..... Drop-hammer	June 15, 1875	536	176	7	1093
168, 412	Same..... Crane	Oct. 3, 1875	84	99	6	577
162, 191	Pratt, Frederic S., Worcester, Mass. Loom-heddle frame	Apr. 20, 1875	556	183	7	663
164, 032	Pratt, George M., Middletown, Conn. Chuck for metal-drills	June 1, 1875	166	59	7	953
8, 381	Pratt, Henry L., Brooklyn, N. Y. Bracket-saw frame (Design)	June 8, 1875			7	968
169, 475	Pratt, John H., et al. (See Farmer, George P., assignor) (Design)					
	Pratt, Lemuel O., New York, N. Y. Scroll-sawing machine	Nov. 2, 1875	138	45	8	754
6, 455	Pratt, Miles. (See Walker & Pratt.)					
	Pratt, Milon, assignor to self and Pratt, Read & Co., Deep River, Conn. Machine for trimming keys of musical instruments. (Reissue)	May 25, 1875	1065	336	7	917
162, 417	Pratt, Milon, assignor to Pratt, Read & Co., Deep River, Conn. Device for shaping piano-keys	Apr. 20, 1875	772	251	7	689
165, 024	Pratt, Milon, Deep River, Conn. Manufacture of key-boards for organs, &c	June 29, 1875	1132	365	7	1117
170, 394	Same..... Machine for slotting and drilling clothes-clamps	Nov. 23, 1875	1059	333	8	897
170, 190	Pratt, Philip W., Abington, Mass. Buffer-stem	Nov. 23, 1875	877	274	8	872
	Pratt, Read & Co. (See Pratt, Milon, assignor.)					
	Same..... same (Reissue.)					
	Same..... (See Wilder, McNeil & Tyler, assignors.)					
	Same..... (See Wilder, McNeil, Wilder & Tyler, assignors.)					
	Same..... (See Wilder, Salmon H., assignor.)					
	Pratt, Rufus N. (See Pratt, Francis A., assignor.)					
166, 808	Pratt, Seraiah M., assignor of one-half interest to H. C. Kellogg, Cherokee, Iowa. Sash-holder	Aug. 17, 1875	606	188	8	302
162, 859	Pratt, T. Willis, Boston, Mass. Construction of vessels	May 4, 1875	111	37	7	762
164, 033	Same..... Mechanism for propelling boats	June 1, 1875	167	59	7	953
165, 504	Pratt, Warren E., Chesaning, Mich. Device for attaching hubs to axles	July 13, 1875	371	110	8	67
163, 693	Pratt, Wellington H., Prattsville, Mich. Farm-gate	May 25, 1875	926	295	7	899
162, 766	Pratt, William L., Saint Louis, Mo. Condenser and purifier of coal-gas	May 4, 1875	27	10	7	750
166, 223	Pratt, Zimri L., New York, N. Y. Candlestick	Aug. 3, 1875	35	12	8	204
158, 735	Prawl, Peterson, and Francis H. Wemple, Waverly, Ill. Wheel-plow	Jan. 12, 1875	353	120	7	74
161, 703	Pray, Frank C., New York, N. Y. Lard-cooler	Apr. 6, 1875	96	34	7	523
165, 366	Preater, James H., Brooklyn, assignor to Wright Gillies and Gilbert R. Scott, New York, N. Y., and James M. Gillies, Plainfield, N. J. Revolving sample-holder	July 6, 1875	202	61	8	36
	Preble, John Q., et al. (See Ball, James, assignor) (Reissue.)					
161, 271	Prendergast, James T., Huntington, V. Va. Steam-brake	Mar. 23, 1875	961	313	7	505
164, 210	Prentice, Chalmers M. C., Monroeville, Ohio. Compensation pendulum	June 8, 1875	347	119	7	989
6, 210	Prentice, John, New York, N. Y., assignor, by mesne assignments, to William H. Terwilliger and John S. Lockwood. Cigar-mold. (Reissue.)	Jan. 5, 1875	193	66	7	36
158, 300	Prentice, Miles S., Jacob Behel, and William A. Talcott, Rockford, Ill. Card-file	Jan. 5, 1875	33	12	7	13
161, 635	Prentiss, Charles H., assignor of one-half interest to John P. Humphrey, Cleveland, Ohio. Vapor-burner	Apr. 6, 1875	41	15	7	575
167, 471	Same..... same	Sept. 7, 1875	79	25	8	417
160, 951	Prentiss, E. Freeman, Philadelphia, Pa. Rectifying-still	Mar. 16, 1875	653	213	7	455
171, 318	Prentiss, William F., Northampton, Mass. Paving-block	Dec. 21, 1875	632	213	8	1052
162, 099	Presbrey, Charles H., assignor to Sterling School Furniture Company, Sterling, Ill. Hinge-joint for school-desks	Apr. 13, 1875	451	150	7	642
159, 214	Presbrey, Edward F., Providence, R. I. Bracelet	Jan. 26, 1875	843	276	7	163
	Presby, Lorin A., et al. (See Warren & Packard, assignors.)					
161, 352	Prescott, D. Chut, Marinette, Wis. Saw-mill	Mar. 30, 1875	1050	342	7	524
159, 609	Prescott, Edwin A., assignor to Prescott Pistol Company, Hatfield, Mass. Magazine fire-arm	Feb. 9, 1875	350	116	7	241
	Prescott Pistol Company. (See Prescott, Edwin A., assignor.)					
159, 965	Prescott, Samuel A., Sutton, assignor to self and John M. Barker, Worcester, Mass. Shade-support for lamps	Feb. 16, 1875	695	231	7	292
160, 229	Pressey, Jeremiah M., Salineville, Ohio. Vehicle-spring	Feb. 23, 1875	945	310	7	335
	Preston, E. B. (See Caswell, William A., assignor.)					
	Preston, Francis B., Fayette, Mo. Corn-planter (Extension)	Feb. 25, 1875			7	515
	Preston, Julius A. (See Martin & Preston)					
158, 737	Price, Adam N., Jamestown, N. Y. Hub for vehicle-wheels	Jan. 12, 1875	355	121	7	74
158, 736	Price, Benjamin F., assignor to self and A. A. Hill, Mount Sterling, Ill. Fruit-picker	Jan. 12, 1875	355	120	7	74
162, 308	Same..... Churn	Apr. 20, 1875	662	216	7	676
	Price, Benjamin K. (See McVein & Price.)					
158, 519	Price, Daniel, Lockport, N. Y. Passenger-car	Jan. 5, 1875	148	50	7	30
	Price, David C. (See Shuey, William H., assignor.)					
	Price, Edward, jr. (See Anthony & Beadle, assignors.)					
159, 841	Price, Edward L., Newark, N. J. Compound implement	Feb. 16, 1875	580	193	7	277
169, 581	Price, John, Sunderland, England. Reverberatory furnace	Nov. 2, 1875	242	79	8	767
163, 407	Price, John J., assignor of one-half interest to Phile N. Tryon, San Francisco, Cal. Sash-balance	May 18, 1875	656	210	7	856
167, 932	Price, Joseph W., Bryan, Ohio. Harrow	Sept. 21, 1875	513	164	8	495
170, 395	Price, Thomas J., and Almon Hunt, Macomb, Ill. Cultivator	Nov. 23, 1875	1060	333	8	898
171, 044	Price, Thomas J., Macomb, Ill. Fruit-preserving jar	Dec. 14, 1875	364	121	8	1006
	Price, Virgil T. (See Dyer, Isaac T., assignor.)					
170, 110	Price, Warran W., Petitediac, Canada. Combined lantern and dinner-kettle	Nov. 16, 1875	778	246	8	852
164, 034	Price, William H., and Rudolph Hoover, Schellsburgh, Pa. Reciprocating churn	June 1, 1875	168	59, 60	7	954
8, 717	Price, William T., assignor to Harsha & Price, Circleville, Ohio. Monument (Design)	Oct. 11, 1875			8	600
163, 408	Prichard, Leonard, Sweet Valley, Pa. Die for forming horseshoe-calks	May 18, 1875	657	210	7	856
160, 711	Prickett, Hiram, Edenton, Ohio. Portable fence	Mar. 9, 1875	418	139	7	417
166, 809	Pride, Orlando S., assignor to self and John E. Woodruff, Yonkers, N. Y. Ironing-board	Aug. 17, 1875	607	188	8	302
160, 466	Prideaux, Thomas S., Blackheath, England. Apparatus for regulating the supply of air to furnaces	Mar. 2, 1875	186	65	7	375
	Priest, J. K., et al. (See Smith, Roswell T., assignor) (Reissue.)					
162, 767	Prince, George S., Richmond, Va. Process for treating tobacco	May 4, 1875	98		7	751
165, 687	Prince, John A., Pittsburgh, Pa. Valve and gearing for steam-engines	July 20, 1875	553	168	8	109
164, 211	Prince, Peter A., Porter's Mills, Wis. Sheer-boom	June 8, 1875	348	119	7	989
165, 307	Prindle, Franklin B., and John T. Kennedy, Mount Carmel, Conn. Machine for threading wood-screws	July 6, 1875	202	61, 62	8	36
8, 034	Prindle, Gilbert H., Philadelphia, Pa. Boa (Case B. Design)	Jan. 26, 1875			7	133
8, 645	Same..... same (Design)	Sept. 7, 1875			8	403
8, 646	Same..... Trimming (Design)	Sept. 7, 1875			8	403
166, 141	Prindle, Lyman B., Bantam Falls, Conn. Thill-coupling clamp	July 27, 1875	1002	309	8	183
162, 496	Prior, Elihu W., Cambridge, Vt. Stove-pipe drum	Apr. 27, 1875	869	278	7	710

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158, 602	Priseman, Robert, Sacramento, Cal. Chimney-guard.	Jan. 12, 1875	238	60	7	57
163, 865	Pritchard, John, Maysville, Mo. Document-envelope.	July 20, 1875	726	221	8	132
	Pritchard, John F., et al. (See Welter, James K., assignor.)					
	Pritchard, Timothy. (See Baracough & Pritchard.)					
167, 118	Pritchett, William H., Anacostia, D. C. Joint-fastening for stair-rails.	Aug. 24, 1875	916	286	8	354
164, 393	Procter, David C. (See Cutler & Procter.) (Design.)					
163, 249	Procter, David R., assignor to Procter Spark Arrester Company, Gloucester, Mass. Spark-arrester.	June 15, 1875	537	177	7	1023
163, 250	Procter, Josiah K., assignor of one-half interest to James Smith & Co., Philadelphia, Pa. Wool-washing machine.	May 11, 1875	493	160	7	818
163, 251	Same. .... same	May 11, 1875	494	160	7	818
164, 593	Procter, Josiah K., and Charles R. Lindsay; said Lindsay assignor to James Smith & Co., Philadelphia, Pa. Wool-washing machine.	May 11, 1875	495	161	7	819
166, 408	Procter, Josiah K., assignor of one-half interest to James Smith & Co., Philadelphia, Pa. Cylinder for wool carding and combing machines.	June 15, 1875	712	232	7	1046
	Same. .... Mechanism for operating doffer-combs.	Aug. 3, 1875	210	63	8	228
	Procter Spark Arrester Company. (See Procter, David R., assignor.)					
165, 119	Proeger, Julius. (See Fulton & Proeger.)					
169, 838	Prosser, Treat T., Chicago, Ill. Relief-valve.	June 29, 1875	1216	392	7	1128
169, 839	Same. .... Metallic rod and wire for use in pegging-machines, &c.	Nov. 9, 1875	522	163	8	809
165, 613	Same. .... Shoe peg or nail.	Nov. 9, 1875	523	163	8	809
	Prosser, Treat T., assignor, by mesne assignments, to self and Oscar L. Noble, Chicago, Ill., and Allen C. Calkins and Winslow Bushnell. Machine for pegging boots and shoes.	July 13, 1875	468	143	8	82
165, 650	Same. .... Pegging-machine.	July 13, 1875	507	155	8	87
169, 840	Prosser, Treat T., assignor to self, O. L. Noble, Winslow Bushnell, and Allen C. Calkins, Chicago, Ill. Machine for indenting the surface of wire.	Nov. 9, 1875	523	163	8	809
159, 966	Proudford, Frederick, Toronto, Canada. Heating-drum.	Feb. 16, 1875	696	231	7	292
168, 105	Proust, Horace N., Westfield, Mass. Hoeing-machine.	Sept. 28, 1875	700	221	8	528
164, 934	Prouty, Augustus B., Worcester, Mass. Work-holding device for metal-planers.	June 15, 1875	713	232	7	1046
164, 931	Prouty, Augustus B., Loring Coes, and George C. Taft, Worcester, Mass.; said Coes and Taft assignors to said Prouty. Planer-chuck.	June 29, 1875	1060	342	7	1107
164, 212	Prouty, George W., Boston, Mass. Treadle-mechanism for printing-presses and other purposes.	June 8, 1875	349	{ 119 120 }	7	989
162, 686	Prouty, Henry A., Worthville, assignor, by mesne assignments, to John W. and Isaac W. Britton, New York, N. Y. Band-comb.	Apr. 27, 1875	1039	331	7	731
167, 933	Prouty, Lyman C., Lowell, Mass. Draw-iron for street-car poles.	Sept. 21, 1875	514	164	8	495
	Providence Gas-Burner Company. (See Mooney, George, assignor.)					
171, 319	Provost, Norman, Stamford, Conn. Vehicle-spring.	Dec. 21, 1875	652	214	8	1052
6, 484	Pruett, William, Kokomo, Ind., assignor to Tobias L. Varns and Andrew F. Daybuff. Rotary pressure-blower. (Reissue.)	June 8, 1875	498	164	7	1008
171, 320	Pruner, David I., McVeytown, Pa. Horseshoe-machine.	Dec. 21, 1875	653	{ 214 215 }	8	1052
6, 421	Prusha, William F., and Elisha L. Wales, Marlborough, Mass., assignors, by mesne assignments, to William B. Rice, trustee. Boot and shoe. (Reissue.)	May 4, 1875	253	82	7	780
169, 841	Pritziann, Daniel, Canton, Ohio. Fruit-box.	Nov. 9, 1875	525	164	8	810
167, 934	Prayn, Robert L., Baton Rouge, La. Shutter-fastener.	Sept. 21, 1875	515	164	8	495
167, 935	Prayn, Robert L., assignor of one-half interest to Samuel M. Hart, Baton Rouge, La. Sash-fastener.	Sept. 21, 1875	516	165	8	496
169, 035	Przybil, Paul, New York, N. Y. Band sawing-machine.	Oct. 19, 1875	688	227	8	677
167, 688	Puffer, Alvin D., Boston, Mass. Making soda-water fountains.	Sept. 14, 1875	283	90	8	453
168, 049	Pugh, John H., Baltimore, Md. Gas apparatus.	Sept. 21, 1875	624	200	8	511
	Puller, Thomas. (See Hurd, Lorenzo D., assignor.)					
170, 965	Pulliam, Benjamin M., assignor of part interest to Charles T. Carpenter and James D. Pulliam, Tolono, Ill. Grain-meter.	Dec. 14, 1875	298	99	8	997
165, 866	Pulliam, Eugene P., Palmyra, Mo. Gang-plow.	July 20, 1875	727	221	8	132
	Pulliam, James D., et al. (See Pulliam, Benjamin M., assignor.)					
	Pullman, George M. (See Field & Pullman.) (Reissue.)					
	Same. .... (See Wheeler, Eli, assignor.) (Reissue.)					
170, 111	Purcell, Charles W. and Samuel, Lundy's Lane, Pa. Bed-bottom.	Nov. 16, 1875	778	247	8	852
	Purcell, Samuel. (See Purcell, Charles W. and Samuel.)					
161, 898	Purcell, William J., Rochester, N. Y. Damping-box for copying-presses.	Apr. 13, 1875	284	95	7	621
171, 421	Purdy, Zachariah V., Washington, D. C., assignor of one-half interest to James O'Hara, Pittsburgh, Pa. Horseshoe.	Dec. 21, 1875	745	245	8	1065
	Pursell, Thomas V. (See Blanc, Frederic M., assignor.)					
	Parves & Savary. (See Savary, Charles C., assignor.)					
6, 537	Pusey, Jones & Co., et al. (See Anderson, Charles, assignor.)					
	Putnam, Albert M., assignor, by mesne assignments, to self and Charles H. Carter, Antrim, and Granville P. Felt, Peterborough, N. H. Pump. (Reissue.)	July 6, 1875	270	79	8	44
	Putnam, Edwin, et al. (See Adams, George B., assignor.)					
161, 8 9	Putnam, George D., Salem, Mass. Grate-bar.	Apr. 13, 1875	285	96	7	621
159, 117	Putnam, George F., Ponda, N. Y. Fifth-wheel for vehicles.	Jan. 26, 1875	754	248	7	150
164, 692	Putnam, H. Marshall, and William Esty, Fitchburgh, Mass. Grinding-wheel.	June 22, 1875	814	266	7	1068
170, 591	Putnam, John E., et al. (See Hale, Edward, jr., assignor.)					
161, 151	Putnam, Salmon W., Fitchburgh, Mass. Metal-drilling machine.	Nov. 30, 1875	1261	396	8	933
	Putnam, Silas S., Boston, Mass. Machine for forging nails.	Mar. 23, 1875	848	{ 276 277 }	7	490
162, 309	Same. .... Gas-retort.	Apr. 20, 1875	663	{ 216 217 }	7	676
	Putnam, Simeon L. (See Bevelander, Benjamin, assignor.)					
	Putnam, W. E., et al. (See Fitzgerald, Walter, assignor.)					
163, 525	Putnam, William E., assignor of one-half interest to Henry S. Jenkins, Boston, Mass. Gaiter boot and shoe.	May 18, 1875	770	244	7	871
163, 945	Pyle, Isaac N., Decatur, Ind. Whiffletree hook and clip.	June 1, 1875	90	30	7	943
8, 382	Quackenbos, John M., jr., New York, N. Y. Writing-tablet.	June 8, 1875			7	968
165, 425	Quackenbush, Henry M., Herkimer, N. Y. Metal-turning lathe.	July 13, 1875	293	87	8	56
159, 354	Same. .... Air-gun dart.	Feb. 2, 1875	103	36	7	198
160, 467	Quackenbush, William P., assignor of one-half interest to Henry M. Latimer, Holley, N. Y. Cheese-safe.	Mar. 2, 1875	188	65	7	375
	Quaintance, Eli, et al. (See Perry, William V., assignor.)					
170, 897	Quarton, William B., Fremont, Iowa. Feeding-belt and partition for corn-shellers.	Dec. 7, 1875	212	74	8	979
	Quast, Ernest. (See Brocksmonth, Herman, assignor.)					
166, 890	Querner, Augustus, and Thomas Burke, Cincinnati, Ohio. Skylight.	Aug. 17, 1875	684	212	8	313
158, 978	Quick, Miles W., Titusville, Pa. Coating for oil-barrels.	Jan. 19, 1875	602		7	122

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. & G.	Vol.	Page.
169, 582	Quick, Thomas J., Warsaw, Ind. Thill-coupling	Nov. 2, 1875	243	80	8	767
160, 280	Quick, William B., Saint Louis, Mo. Salky-plow	Mar. 2, 1875	21	9	7	352
171, 422	Quigley, John, Saint Joseph, Mo. Street-railway track	Dec. 21, 1875	746	245	8	1065
8, 538	Quimby, Julius F., assignor to Swett, Quimby & Perry, Troy, N. Y. Stove-door knob (Design)	Aug. 3, 1875			8	194
170, 112	Quimby, Byron C., Plymouth, Mass. Machine for making rivets	Nov. 16, 1875	779	247	8	832
	Quincy, George H., et al. (See Dewey, John J., assignor)					
	Same (See Freeman, Josiah G., assignor.)					
160, 952	Quinn, John E. (See Bowyer, John A., assignor.)					
	Quinn, John J., assignor of one-half interest to Edward T. Jameson, Pittsburgh, Pa. Machine for tapping matus	Mar. 16, 1875	654	213	7	456
159, 770	Quinn, William, Philadelphia, Pa. Velocipede	Feb. 16, 1875	516	172	7	269
165, 867	Quinn, William T., assignor of two-thirds interest to Will and John Hague, Paterson, N. J. Fishing and similar floats	July 20, 1875	728	222	8	132
	Quirin, Peter P. (See Holmes & Quirin.)					
6, 557	Quiroio, Antonio, Hoboken, N. J. Stereoscope (Reissue)	July 27, 1875	1041	321	8	188
160, 712	Quitman, Louis, Norwalk, Conn. Sash-holder	Mar. 9, 1875	420	140	7	417
169, 583	Qvist, Peter M., assignor of two-thirds interest to Hermann Trott and Casper Klein, Saint Paul, Minn. Hydrocarbon furnace	Nov. 2, 1875	244	80	8	767
6, 456	Rabbeth, Francis J. (See Booth, John, assignor.)					
	Rabbeth, Francis J., Pawtucket, R. I., and John E. Atwood, Willimantic, Conn., assignors, by mesne assignments, to Francis J. Rabbeth and Fales, Jenks & Sons. Spindle for spinning-machines (Reissue)	May 25, 1875	1066	336	7	918
169, 919	Raber, Emanuel, Canton, Ohio. Horse hay-fork	Nov. 16, 1875	609	189	8	829
168, 781	Racine, Aime, Fort Wayne, Ind. Combined pad and collar fastener	Oct. 11, 1875	441	145	8	635
	Radbrueck, Gustav J. M. (See Schmidt & Radbrueck.)					
159, 215	Radeliffe, Robert D., Albany, N. Y. Metallic telegraph-pole	Jan. 26, 1875	844	276	7	162
161, 547	Raddin, John, Lynn, Mass. Railway-rail chair	Mar. 30, 1875	1240	399	7	549
166, 937	Same. Car-brake	Aug. 24, 1875	741	229	8	330
	Rademacher, Mathias. (See Bate, Wallace H., assignor.)					
6, 380	Rader, Stephen D., Williamsport, assignor, by mesne assignments, to Edwin V. Wingard, Philadelphia, Pa. Brick-kiln (Reissue)	Apr. 13, 1875	499	164	7	648
160, 841	Radey, John H., Philadelphia, Pa. Process of finishing leather	Mar. 16, 1875	559		7	443
169, 920	Radley, John P., Albany, N. Y. Bale-tie	Nov. 16, 1875	610	189	8	829
160, 031	Radston, Jacob, San Francisco, Cal. Gas-meter	Feb. 23, 1875	777	256	7	310
168, 669	Raether, William, Brooklyn, N. Y. Padlock	Oct. 11, 1875	346	113	8	622
	Rafter, Augustin, et al. (See Kimble, Smith W., assignor.)					
161, 439	Ragan, Cornelius, Waterloo, Iowa. Railway-pinch-bar	Mar. 30, 1875	1134	366	7	535
170, 015	Rager, Christian B., North Manchester, Ind. Nut-lock	Nov. 16, 1875	688	216	8	840
159, 039	Ragot, Henry, Pittsburgh, Pa. Metallurgic heating-furnace	Jan. 26, 1875	685	225	7	140
	Same. Puddling-furnace	Jan. 26, 1875	686	226	7	140
163, 252	Rahilly, Maurice J., Beaver Falls, Pa. Device for swaging and setting saw-teeth	May 11, 1875	496	161	7	819
	Railway Register Manufacturing Company. (See Hoffman, Austin D., assignor.) (Reissue)					
163, 105	Rakestraw, John A., Altoona, Pa. Plate-lifter and toaster	May 11, 1875	361	117	7	802
162, 310	Rakestraw, Roland, Wyoming, Ill. Vehicle-seat	Apr. 20, 1875	665	217	7	676
	Ralesback, L. D., et al. (See Bean, John, assignor.)					
6, 457	Ralph, Alexander, Philadelphia, Pa. Packing-machine (Reissue)	May 25, 1875	1068	337	7	918
169, 290	Ralph, James G., Aurora, Ill. Connecting spirit-levels and straight-edges	Oct. 26, 1875	943	306	8	720
166, 719	Ralph, Matthias, Urso, Ill. Feed-rack	Aug. 17, 1875	529	161	8	250
160, 230	Ralston, David W., Rockford, Ill. Plow-carriage	Feb. 13, 1875	945	311	7	335
166, 891	Ralston, John C., Indianapolis, Ind. Soap-slabbing machine	Aug. 17, 1875	685	212	8	313
167, 936	Same. Attachment to soap-cutting machines	Sept. 21, 1875	516	165	8	496
6, 461	Ralya, John J., Cleveland, Ohio. Stave-jointer (Reissue)	May 25, 1875	1073	338	7	918
6, 462	Same. Plane-iron (Reissue)	May 25, 1875	1074	338	7	918
165, 025	Ramage, Charles E., assignor to self and Wilhelm Heyde, Sherman, Tex. Car-coupling	June 29, 1875	1133	366	7	1117
	Rambouillet, Arsene. (See Chavasse, Auguste, assignor.)					
161, 822	Ramey, Sanford, Pataskala, Ohio. Cannon-pinion for watches	Apr. 6, 1875	206	69	7	593
	Ramsay, Charles S., et al. (See McKevey, Hugh F., assignor)					
159, 041	Ramsdell, Daniel P., assignor of one-half interest to Thacher B. Carpenter, New Haven, Conn. Piano-lid prop	Jan. 26, 1875	687	226	7	140
	Ramsden, John B. F. (See Duggan, John A., assignor.)					
169, 842	Ramsden, John C., Lightcliffe, England. Hydrocarbon furnace	Nov. 9, 1875	525	164	8	810
167, 565	Ramsden, Thomas, Philadelphia, Pa. Sofa	Sept. 7, 1875	163	51	8	429
163, 526	Ramsey, Croghan A., Schulenburg, Tex. Cotton-sprinkler	May 18, 1875	771	244	7	871
	Ramsey, John. (See Thomson & Ramsey.) (Reissue)					
169, 291	Ramsey, Robert H., Pottsville, Pa. Portable and stationary gas-apparatus	Oct. 26, 1875	943	306	8	720
165, 614	Rauus, Charles E., Spottsylvania C. H., Va., assignor of one-half interest to George Cowie, Washington, D. C. Paper-clip	July 13, 1875	471	144	8	82
	Raucier, Edwin J. (See Bennett & Raucier.)					
160, 468	Raud, Alonzo C., Minneapolis, Minn. Carbureting gas-machine	Mar. 2, 1875	189	65	7	375
166, 409	Same. Process and apparatus for manufacturing gas	Aug. 3, 1875	211	64	8	228
169, 843	Same. Carbureting-machine	Nov. 9, 1875	526	165	8	810
160, 349	Rand, Charles E., and John T. Dupont, New York, N. Y. Registering-machine	Mar. 2, 1875	81	29	7	360
159, 356	Rand, Charles R., San Francisco, Cal. Combined fluting and sad iron	Feb. 2, 1875	105	36	7	198
	Rand, McSherry & Co. (See Martin, John F., assignor.)					
160, 231	Randall, Silas B., Cincinnati, Ohio. Machine for creasing and finishing leather straps	Feb. 23, 1875	947	311	7	335
	Randall, Amelia A. (See Randall, Silas G., assignor.)					
	Randall, C. E., et al. (See Fairbairn, William U., assignor.) (Reissue)					
	Randall, Charles A. (See Foote & Randall.) (Reissue)					
8, 689	Randall, Frank H., assignor to Richard H. and Benjamin C. Reeve, Camden, N. J. Floor oil cloth (Design)	Oct. 5, 1875			8	561
158, 738	Randall, James V., Newtown, Pa. Seat for extension-carriages	Jan. 12, 1875	356	121	7	74
169, 118	Randall, John H., and Dexter F. Newton, Clyde, Ohio. Wire stove-bracket	Oct. 26, 1875	791	256	8	699
159, 216	Randall, S. Las G., assignor to Amelia A. Randall, Providence, R. I. Machine for polishing wood	Jan. 26, 1875	845	276	7	162
161, 660	Randall, Silas G., Greene, N. Y. Disk-barrow cultivator	Mar. 23, 1875	754	249	7	479
163, 527	Same. Disk-barrow	May 18, 1875	772	244	7	871
6, 414	Randall, William, Salem, Mass., assignor of one-half interest to Josiah M. Crocker. Injector (Reissue)	May 4, 1875	247	79	7	780
170, 299	Randall, William, Salem, Mass. Injector for steam-boilers	Nov. 23, 1875	973	304	8	885
166, 810	Randell, William, Troy, N. Y. Button-hole attachment for sewing-machines	Aug. 17, 1875	607	188	8	302
167, 689	Randell, Asabel J., Belvidere Seminary, N. J. Steaming-table	Sept. 14, 1875	284	90	8	453

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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	Randolph, Edward P. (See Taylor, Jacob, assi. nor.)					
169, 658	Randolph, Ira F., Indianapolis, Ind. Apparatus for lighting railway-cars	Nov. 9, 1875	336	106	8	787
166, 030	Randolph, John H. jr., Bayou Goula, La. Revolving hay-rake	July 27, 1875	892	276	8	168
6, 717	Randolph, Simon P., Tebama, Cal. Cutter-head	Oct. 26, 1875	985	319	8	726
165, 868	Same..... same	July 20, 1875	728	222	8	133
153, 118	Randolph, Theodore F., Morristown, N. J. Ditching-machine	Jan. 28, 1875	754	248	7	150
152, 979	Randon, Francois, New Orleans, La. Apparatus for treating cane-juice	Jan. 19, 1875	603	200	7	122
161, 353	Same..... Evaporating apparatus	Mar. 30, 1875	1051	{ 342 343 }	{ 7 8 }	525
169, 036	Rankin, Andrew, Philadelphia, Pa. Door-knob	Oct. 19, 1875	688	227	8	677
167, 195	Rankin, Andrew N., Nyack, N. Y. Protecting water-pipes from freezing	Aug. 31, 1875	1009	314	8	374
169, 659	Rankin, Andrew N., New York, N. Y. Cold packed pipe-joint	Nov. 9, 1875	337	107	8	787
167, 020	Rankin, Charles S., College Hill, Ohio. Fire-place	Aug. 24, 1875	823	256	8	341
170, 966	Rankin, Edwin D., assignor to self and John J. Hillman, Cambridge, Mass. Sail-bend- ing hook	Dec. 14, 1875	300	{ 99 100 }	{ 8 9 }	998
	Rankin, George R. (See Cass & Rankin.)					
168, 286	Rankin, Hugh P., Allegheny, Pa. Chopping-block for meat-cutters	Sept. 28, 1875	864	276	8	551
171, 631	Same..... Sausage-machine	Dec. 28, 1875	975	316	8	1104
171, 168	Rankin, Thomas L., Emporia, Kans. Ice-machine	Dec. 14, 1875	488	161	8	1022
171, 530	Ransom, David L. and Norman R. Peugh, Buffalo, N. Y. Business-cabinet	Dec. 28, 1875	866	283	8	1029
	Ransom, John R. B. (See Palmer, Silas D., assignor.)					
	Rarsen, Samuel H., trustee. (See Smith, Elihu, assignor.)					
161, 155	Ransom, William, Noah, Ind. Millers' paint-stuff	Mar. 23, 1875	850	277	7	490
	Ransome, Samuel H., trustee. (See Smith, Elihu, assignor.)					
163, 409	Raoul, Gaston T., Tangipahoa, La. Car-axle box	May 18, 1875	658	210	7	856
167, 271	Raphael, George, New York, assignor to Thomas C. Clark, Brooklyn, N. Y. Camera obscura	Aug. 31, 1875	1072	334	8	383
168, 413	Rapp, Christian F., Cincinnati, Ohio. Hydrant	Oct. 5, 1875	85	29	8	577
169, 476	Same..... Fire-plug	Nov. 2, 1875	138	45	8	754
	Rasin, R. W. L. (See Snyder, Benjamin B., jr., assignor.)					
167, 937	Rasines, Antonio, and Thomas E. D. Power, New York, N. Y. Button-hook	Sept. 21, 1875	517	165	8	496
160, 713	Rath, Emil, Hoboken, N. J. Perfume-fountain	Mar. 9, 1875	420	140	7	417
170, 592	Same..... same	Nov. 30, 1875	1262	397	8	933
	Rathbun, Julius G., et al. (See Keny, Francis, assignor.)					
158, 520	Rathbun, Lewis V., East Pembroke, N. Y. Flour-bolt	Jan. 5, 1875	149	50	7	20
166, 892	Rathbun, Mary F., Oswego, N. Y. Lamp-stove	Aug. 17, 1875	686	212	8	313
168, 670	Ratliff, Joseph C., and James W. Towle, Richmond, Ind. Harvester-dropper	Oct. 11, 1875	347	113	8	622
162, 183	Rauch, Charles, Cleveland, Ohio. Ice-wagon	Sept. 26, 1875	773	243	8	539
166, 554	Raubert, Charles H., Buffalo, N. Y. Vent-faucet	Aug. 10, 1875	356	110	8	257
168, 922	Raveaud, Louis M. E., and Vincent Marty, New Orleans, La. Heating-stove	Oct. 19, 1875	586	193	8	653
161, 636	Rawbone, William G., Toronto, Canada. Cartridge-loading implement	Apr. 6, 1875	42	16	7	575
168, 414	Rawley, Edward, North Union, Me. Means for reefing and furling sails	Oct. 5, 1875	86	30	8	577
159, 355	Rawlings, John H., San Francisco, and Lambert Irehan, Watsonville, Cal. Apparatus for generating gas	Feb. 2, 1875	174	36	7	198
163, 106	Rawson, Chandler B., Worcester, Mass. Spring bed-bottom	May 11, 1875	362	118	7	802
165, 688	Rawson, Charles B., Worcester, Mass. Combined chair and step-ladder	July 20, 1875	554	169	8	109
	Rawson, David, deceased. (See Whitcomb & Rawson.)					
166, 224	Rawson, David W., Croydon, N. H. Clothes-pounder	Aug. 3, 1875	36	12	8	204
170, 698	Rawson, George W., Belleville, Ill., assignor of two-thirds interest to Jabez J. Piggott, Saint Louis, Mo., and Nathan T. Baker, Belleville, Ill. Meat-cutter	Dec. 7, 1875	213	74	8	979
	Rawson, Mary J., administratrix. (See Whitcomb & Rawson.)					
167, 110	Ray, Benjamin F., Baltimore, Md. Hand-car	Aug. 24, 1875	917	286	8	354
	Ray, Frederick A., et al. (See Johnson, William H., assignor.)					
169, 844	Ray, George P. W., College Point, N. Y. Track-clearer	Nov. 9, 1875	528	165	8	810
8, 036	Ray, James S., East Haddam, Conn. Thumb-screw head	Feb. 2, 1875	.....	.....	7	181
162, 949	Same..... Coffin-handle	May 4, 1875	198	64	7	773
168, 526	Ray, Moses, Valley Grove, W. Va. Harvester-rake	Oct. 5, 1875	187	61	8	591
167, 938	Ray, Robert, Carrollton, Miss. Clip for fellics and tires	Sept. 21, 1875	518	165	8	496
8, 391	Ray, Thomas S., and Charles T. Ham, Buffalo, N. Y. Locomotive head-light	June 15, 1875	.....	.....	7	1013
165, 426	Same..... Locomotive head-light attachment	July 13, 1875	294	87	8	56
	Rayburn, James, et al. (See Welter, James K., assignor.)					
170, 113	Rayment, William S., Tekonsha, Mich. Thill-coupling	Nov. 16, 1875	780	248	8	852
160, 060	Raymond, Albert and George, assignors of one-half interest to Milo J. Althouse, Waupun, Wis. Windmill	Feb. 23, 1875	805	264	7	314
160, 953	Same..... same	Mar. 16, 1875	635	214	7	456
169, 477	Raymond, Fitch, Cleveland, Ohio. Railway-signal	Nov. 2, 1875	139	45, 46	8	754
	Raymond, George. (See Raymond, Albert and George.)					
6, 544	Raymond, John V., West Hoboken, N. J., assignor of one-half interest to Adolph Bayer, Registering-thermometer	July 13, 1875	519	158	8	88
167, 566	Raymond, Seymour, and Joseph Campbell, Middletown, Pa. Heating-stove	Sept. 7, 1875	163	52	8	429
167, 196	Raymond, John H., Grand Rapids, Mich. Shaft tip	Aug. 31, 1875	1010	314	8	374
	Raynor & Co., Samuel. (See Ball, James, assignor.)					
	Raynor & Co., Samuel. (See Ball, James, assignor.)					
171, 453	Raynor, William C., Milwaukee, Wis. Horse-rake	Dec. 21, 1875	746	245	8	1065
168, 415	Rea, Amor, Dart Township, Pa. Pitman-connection for harvesters	Oct. 5, 1875	86	30	8	577
	Rea, Thomas F. (See Byrn, Edward W., assignor.)					
166, 142	Read, Calvin D. and Ellis D., Ayer, assignors of one-third interest to James Goodrich, Fitchburgh, Mass. Corn-sheller	July 27, 1875	1003	309	8	183
171, 424	Read, Charles A., Bridgeport, Conn. Trap for steam-pipes	Dec. 21, 1875	747	246	8	1065
	Read, Ellis D. (See Read, Calvin D. and Ellis D.)					
160, 061	Read, George G., Russellville, Ky. Harvester-reel	Feb. 23, 1875	806	264	7	314
	Read, Josiah H. (See Case & Read.)					
8, 790	Read, Josiah M., Everett, Mass. Handle for stove-cover lifters	Nov. 9, 1875	.....	.....	8	777
164, 489	Read, Perry, and John H. Allen, Hinesburgh, Vt. Milk-cooler	June 15, 1875	618	200	7	1033
165, 869	Read, William, Saint Cloud, Minn. Steam-engine	July 20, 1875	729	222	8	133
158, 521	Reagan, William J., assignor to Royer's Ford Iron Foundry, Royer's Ford, Pa. Uniting handles to sad-irons	Jan. 5, 1875	150	50	7	30
162, 687	Reagan, William J., Pottstown, assignor to Royer's Ford Iron Foundry, Philadelphia, Pa. Grinding-machine	Apr. 27, 1875	1039	332	7	731
	Reap, M. P. (See Biglin, Michael, assignor.)					
6, 806	Reber, James L., Chicago, Ill., assignor, by mesne assignments, to Edwin B. Munson. Paper box	Dec. 14, 1875	547	179	8	1030
162, 418	Rebstock, Christian, Bridgeport, Conn., assignor to David W. Sherwood, Charles R. Brothwell, and Christian Rebstock. Door-knob	Apr. 20, 1875	772	251	7	689
	Reckendorfer, Joseph. (See Barberdt, Emile, assignor.)					



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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164, 659	Reckendorfer, Joseph. (See Benson, Henry C., assignor.)	June 22, 1875	784	.....	7	1054
168, 106	Reckhow, Isaac, and William H. Stafford, Brooklyn, N. Y. Process of preparing pickles	Sept. 28, 1875	701	231	8	528
8, 062	Reddy, James M., Milwaukee, Wis. School-room heater	Feb. 16, 1875	.....	.....	7	261
8, 218	Same.....	Mar. 23, 1875	.....	.....	7	466
8, 219	Same.....	Mar. 23, 1875	.....	.....	7	466
161, 274	Redgrave, Alphonzo W., assignor of one-half interest to Frederick R. Wilson, Chicago, Ill. Window-awning	Mar. 23, 1875	965	315	7	505
165, 615	Redbeffer, William, assignor of two-thirds interest to Washington H. Chick, Saint Louis, and Joseph S. Chick, Kansas City, Mo. Ice-cream freezer	July 13, 1875	472	144	8	82
166, 143	Same..... Egg-beater	July 27, 1875	1005	310	8	183
166, 893	Same..... Churn	Aug. 17, 1875	687	213	8	313
169, 478	Redmayne, Thomas, Sheffield, England, assignor to William Redmayne. School-desk	Nov. 2, 1875	141	46	8	734
167, 567	Redmond, Charles C., and Henry H. Rhodes, San José, Cal., assignors of one-half interest to Alexander H. Evans, Washington, D. C. Gate	Sept. 7, 1875	164	52	8	429
167, 787	Redstone, Albert E., assignor to self and Daniel Breed, Washington, D. C. Printing-press	Sept. 14, 1875	376	120	8	466
163, 253	Redway, Albert J., Cincinnati, Ohio. Stove-leg fastener	May 11, 1875	497	161	7	819
169, 037	Redwood, Thomas B., Finchley, England. Manufacture of gas for burning and lighting	Oct. 19, 1875	689	.....	8	677
164, 035	Reece, John, assignor to Ozer Morrill, Stanstead, Canada. Thread-tension device for sewing-machines	June 1, 1875	169	60	7	954
164, 481	Reece, Virginius J., Greenfield, Mass. Screw-cutting die	June 15, 1875	619	200	7	1033
167, 472	Same..... Die-stock	Sept. 7, 1875	79	25	8	417
170, 768	Same..... Screw-cutting die	Dec. 7, 1875	105	33	8	964
161, 637	Reed & Barton. (See Parkin, William, assignor) (Design.)	Apr. 6, 1875	42	16	7	575
156, 633	Reed, Andrew J., Pleasant Grove, Ind. Hay-slide	Aug. 10, 1875	428	132	8	268
				133		
				188		848
				189		
163, 329	Reed, Clarence G., Cambridge, Mass. Scaffold	May 18, 1875	589	.....	7	890
163, 608	Reed, Cullin W., Chagrin Falls, Ohio. Advertising device	May 25, 1875	860	271	7	890
	Reed, Eunice S., administratrix. (See Keith & Reed.)					
	Reed, George E. (See Parsons, Thomas D., assignor.)					
166, 298	Reed, George E., Brooklyn, N. Y. Bottle-stopper	Aug. 3, 1875	104	32	8	214
168, 527	Reed, George P., Melrose, Mass. Watch-key	Oct. 5, 1875	188	62	8	591
158, 438	Reed, Harvey, Atlanta, Ga. Tanning apparatus	Jan. 5, 1875	72	26	7	19
171, 425	Reed, J. Lee, et al. (See Sweet, Daniel F., assignor.)					
	Reed, John C., Millvale, assignor of one-half interest to William Yagle and Andrew Johnston, Pittsburgh, Pa. Covering for steam boilers and pipes	Dec. 21, 1875	748	246	8	1065
161, 272	Reed, John V., New York, N. Y. Fire-hose	Mar. 23, 1875	962	314	7	505
161, 273	Same..... same	Mar. 23, 1875	963	314	7	505
166, 410	Reed, Joseph, Jeffersonville, Ind. Feed-guide for printing-presses	Aug. 3, 1875	243	64	8	229
168, 671	Reed, Joseph W., Kalamazoo, Mich. Lubricator	Oct. 11, 1875	348	113	8	622
168, 672	Reed, Samuel A., Washington, D. C. Flooring-boards	Oct. 11, 1875	348	114	8	622
	Reed, Samuel G. (See Hanks, William R., assignor.)					
158, 522	Reed, Samuel G., Wellesley, Mass. Tire-heating apparatus	Jan. 5, 1875	150	51	7	30
164, 213	Same..... Gas-burner for removing paint.	June 8, 1875	350	120	7	989
	Reed, Timothy K., deceased. (See Keith & Reed.)					
165, 948	Reed, Walter G., Colusa, Cal. Rotary harrow	July 27, 1875	818	251	8	157
163, 528	Reed, William H., assignor of part interest to Warren A. Wells, Henry C. Hayt, Daniel J. Small, Henry Jones, and Lyman P. Converse, Chicago, Ill. Gas-carbureter	May 18, 1875	772	245	7	871
165, 254	Reed, William H., assignor to self, Warren A. Wells, Henry C. Hayt, Daniel J. Small, Henry Jones, and Lyman P. Converse, Chicago, Ill. Air-blower for carbureters	July 6, 1875	102	31	8	23
166, 634	Reeder, Clinton V. B., San José, Cal. Bed-bottom	Aug. 10, 1875	430	133	8	268
160, 032	Reeder, Daniel K., Renovo, Pa. Railway-rail joint	Feb. 23, 1875	773	257	7	311
165, 117	Reeder, Thomas, and Albert Fetherhoff, Oskaloosa, Iowa. Snow-plow	July 6, 1875	35	10	8	13
169, 584	Reeder, William S., assignor to Kingsland, Ferguson & Co., Saint Louis, Mo. Cotton-gin	Nov. 2, 1875	245	80	8	767
164, 693	Reeds, John A., Lawrence, Kans. Spring bed-bottom	June 22, 1875	814	266	7	1068
160, 469	Reedy, Henry J., Cincinnati, Ohio. Elevator	Mar. 2, 1875	190	55, 66	7	376
	Reel, George W. (See Steel & Reel.)					
162, 688	Rees, Craddock, and Thomas Johns, Ironton, Ohio. Heating-furnace	Apr. 27, 1875	1040	332	7	731
170, 396	Rees, Edward H., Mansfield, assignor to J. A. Fay & Co., Cincinnati, Ohio. Tenoning-machine	Nov. 23, 1875	1061	333, 334	8	898
170, 450	Rees, Norman L., New York, N. Y. Hat-ventilator	Nov. 30, 1875	1125	354	8	915
	Reese, Adam E. (See Squire, John J., assignor) (Reissue.)					
163, 254	Reese, Henry, Baltimore, Md. Railway-tie	May 11, 1875	498	162	7	819
159, 448	Reese, Jacob, Pittsburgh, Pa. Machine for cutting off bars, tubes, cylinders, &c	Feb. 2, 1875	187	63	7	211
159, 449	Reese, John L., Galveston, Tex. Bale-tie	Feb. 2, 1875	188	63	7	211
6, 284	Reese, Philip L., Mount Sterling, Ky., assignor to Victor Sewing Machine Company, Middletown, Conn. Anti-rattling journal for balance-wheels of sewing-machines. (Reissue.)	Feb. 9, 1875	476	159	7	259
164, 595	Reese, Thomas, Saint Louis, Mo. Boiler-feeder	June 15, 1875	713	232	7	1046
	Reessing, Herman. (See Sellman, Reessing & Wolff.)					
	Reeve, Benjamin C., et al. (See Barrett, Joseph, assignor) (Design.)					
	Same..... (See Raudall, Frank H., assignor) (Design.)					
	Reeve, Richard H., et al. (See Barrett, Joseph, assignor) (Design.)					
	Same..... (See Randall, Frank H., assignor) (Design.)					
164, 763	Reeves, George P., assignor to self and Charles Rumley, Helena, Mont. Piano-tuning-pin locks	June 22, 1875	876	286	7	1072
166, 031	Same..... Shoe-fastener	July 27, 1875	893	276	8	168
	Reeves, William J. (See Miller & Reeves.)					
159, 450	Reford, Joseph W., assignor of one-half interest to James T. Waters, New York, N. Y. Rectifying and oxygenating apparatus	Feb. 2, 1875	189	64	7	211
159, 451	Reford, Joseph W., assignor of one-half interest to William Watt, jr., New York, N. Y. Purification of filtering and oxygenating substances while within the rectifying-cylinder	Feb. 2, 1875	190	64	7	211
171, 426	Reford, Joseph W., assignor to William Watt, New York, N. Y. Apparatus for distilling and rectifying liquors	Dec. 21, 1865	749	246, 247	8	1065
6, 672	Regau, Barnard, deceased, assignor, by mesne assignments, to Benjamin Kuhns, Dayton, Ohio. Seed-drill. (Reissue.)	Oct. 5, 1875	214	70	8	594
165, 949	Regan, Michael, Canastota, N. Y. Mop-wringer	July 27, 1875	819	251	8	157
8, 649	Reger, Albert P., Philadelphia, Pa. Casting (Design.)	Sept. 14, 1875	.....	.....	8	439
161, 156	Register, John B., Dover, Del., assignor of one-half interest to Dover Fruit and Vegetable Preserving Company Drier	Mar. 23, 1875	850	277	7	490

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161, 823	Reh fuss, George, assignor to American Button-Hole, Overseaming, and Sewing Machine Company, Philadelphia, Pa. Journal for sewing-machine fly-wheel...	Apr. 6, 1875	207	69	7	598
164, 043	Same..... Sewing-machine cover.....	June 1, 1875	177	63	7	955
167, 197	Reh fuss, George, assignor to Samuel S. White, Philadelphia, Pa. Dental plugger.....	Aug. 31, 1875	1010	314	8	374
163, 255	Rehn, Isaac, Philadelphia, Pa. Gas-regulator.....	May 11, 1875	498	162	7	819
161, 277	Reich, Benjamin F. (See Spangler & Reich.)					
161, 277	Reichard, Edwin D., and Jeremiah R. Fisher, Reading, Pa. Folding cradle.....	Mar. 23, 1875	967	315	7	505
161, 275	Reichert, Louis P., Buffalo, N. Y. Bird-cage.....	Mar. 23, 1875	965	315	7	505
163, 330	Same..... Same.....	May 18, 1875	590	189	7	848
161, 276	Reid, Alban H., Brandywine Manor, Pa. Butter-worker.....	Mar. 23, 1875	966	315	7	505
161, 900	Reid, James D., Saint John, Canada. Bridle-winker.....	Apr. 13, 1875	285	96	7	621
169, 585	Reid, John, New York, N. Y. Fire-blower.....	Nov. 2, 1875	245	50	8	767
167, 021	Reid, John M., Montreal, Canada. Mold for casting water-traps.....	Aug. 24, 1875	824	256	8	341
170, 300	Same..... Machine for bending metallic tubes.....	Nov. 23, 1875	974	305	8	885
169, 038	Reid, Peter W., assignor to McKee & Brothers, Pittsburgh, Pa. Mold for manufacturing bottles.....	Oct. 19, 1875	691	227	8	677
170, 397	Reid, Samuel, Chicago, Ill. Hose-pipe nozzle.....	Nov. 23, 1875	1062	334	8	898
164, 660	Reid, William. (See Philips & Reid)..... (Reissue.)					
8, 335	Reid, William I., Palmyra, N. Y., assignor to Watson B. Smith, Omaha, Nebr. Paper-cutting machine.....	June 22, 1875	784	257	7	1064
	Reid, W. Max, Amsterdam, N. Y. Ornament for burial-caskets..... (Design.)	May 18, 1875			7	837
160, 954	Reifsnieder, Alfred D., et al. (See Hartzell, George, assignor.)..... (Design.)					
155, 255	Reifsnieder, John P., et al. (See Hartzell, George, assignor.)..... (Design.)					
166, 294	Rieley, John O., Jersey City, N. J. Drill-huck.....	Mar. 16, 1875	657	214	7	456
169, 039	Reilly, Hugh, Brooklyn, N. Y. Projectile for ordnance.....	July 6, 1875	103	31	8	23
168, 416	Reilly, John F., Washington, D. C. Warning-apparatus.....	Aug. 17, 1875	689	213	8	313
168, 416	Reilly, Patrick, Burlington, Iowa. Locomotive smoke-stack.....	Oct. 19, 1875	691	228	8	677
168, 184	Reily, Charles W., Cincinnati, Ohio. Ore-separator.....	Oct. 5, 1875	87	30	8	577
161, 824	Reinan, Robert, Sullivan, Ill. Riding-saddle.....	Apr. 6, 1875	207	70	7	598
159, 708	Reinold, Christian J., and Nulton Stoddard, Saginaw, Mich. Tire-upsetter.....	Feb. 9, 1875	440	147	7	253
8, 311	Reinoecke, Henry F., Jersey City Heights, N. J. Hat and fur box..... (Design.)	May 4, 1875			7	742
164, 101	Reinhard, John B., Louisville, Ky. Warm-air furnace.....	June 8, 1875	254	87	7	976
169, 119	Reinisch, Charles, Newark, N. J. Cigar mouth-piece.....	Oct. 26, 1875	791	256	8	699
168, 287	Reinisch, Jacob, et al. (See Mellinger, Christian K., assignor.)					
163, 410	Reiser, Anton, New York, N. Y. Machine for purifying cream of tartar.....	Sept. 28, 1875	864	276	8	551
164, 328	Reisinger, James P., Ashland, Ohio. Measuring-device for knitting-machines.....	May 18, 1875	659	210	7	856
161, 825	Reiz, Nicholas, assignor of one-half interest to John D. Arras, Dayton, Ohio. Game-apparatus.....	June 8, 1875	461	153	7	1004
160, 714	Relyea, Francis H., London, England. Cattle-support.....	Apr. 6, 1875	208	70	7	598
159, 217	Relyea, George, Belleville, Canada. Dental plate.....	Mar. 9, 1875	421	140	7	418
167, 022	Relyea, Jerome B., Hicksville, Ohio. Neck-yoke.....	Jan. 26, 1875	846	276	7	162
159, 357	Relyea, Jerome B., Hicksville, assignor to self and Lewis E. Brewster, Bryan, Ohio. Vehicle-top.....	Aug. 24, 1875	825	257	8	341
159, 278	Remer, Samuel W., Salem, Mass. Stock-car.....	Feb. 2, 1875	100	36, 37	7	199
161, 901	Remhof, Charles, Brooklyn, N. Y. Atomizer.....	Feb. 2, 1875	32	12	7	189
160, 955	Remington & Sons, E. (See Clough, Jefferson M., assignor.)					
165, 178	Remington, Horatio A., assignor to S. Colvin & Co., Anthony, R. I. Let-off mechanism for looms.....	Apr. 13, 1875	286	96	7	621
162, 497	Renaud, William H., et al. (See Arms, John L., assignor.)					
168, 923	Renif, James R., Bloomington, Ill. Steam and air brake.....	Mar. 16, 1875	657	214	7	456
	Renk, Joseph E., Albany, N. Y. Canal-lock gate.....	July 6, 1875	36	10	8	13
	Renshaw, David, Hingham, Mass. Steam-generator.....	Apr. 27, 1875	870	278	7	710
	Renshaw, David, Cohasset, Mass. Steam-generator.....	Oct. 19, 1875	587	194	8	664
167, 690	Reutcher, Henry. (See Morgan, Elias M., assignor.)					
6, 439	Same..... (See Penn, Worden, P., assignor.)..... (Reissue.)	Sept. 14, 1875	285	90	8	453
	Reunick, Edward S., Millburn, N. J. Grate..... (Reissue.)	May 18, 1875	813	256, 257	7	876
159, 218	Reynon, Franklin P. (See Harrington, Jackson, assignor.)					
162, 689	Resor & Co., William. (See Truesdale, Charles, assignor.)					
166, 555	Restein Brothers. (See Restein, John, assignor.)					
164, 482	Restein, John, assignor to Restein Brothers, Philadelphia, Pa. Musical merchandise-box.....	Jan. 26, 1875	846	277	7	162
	Retterer, Jacob, Chicago, Ill. Reflector-lamp.....	Apr. 27, 1875	1041	332	7	731
	Reupke, Henry, assignor to self and Frederick W. Krause, Chicago, Ill. Chair.....	Aug. 10, 1875	357	110	8	257
	Reutbeler, Henry, and Elias M. Morgan, Belleville, Ill. Grain drill and planter.....	June 15, 1875	619	200	7	1033
	Revell, John. (See Mizell & Revell.)					
163, 107	Rex & Bockins. (See Vasquez, Charles L., assignor.)					
163, 807	Rexford, Richard W., Boston, Mass. Wringer-roll.....	May 11, 1875	362	118	7	802
160, 470	Reyburn, William S., and Frederick J. Martin, Philadelphia, Pa. Lightning-rod standard.....	May 25, 1875	1026	325	7	913
165, 121	Reycroft, Joseph W., East Cambridge, Mass. Sash-holder.....	Mar. 2, 1875	191	66	7	376
170, 399	Reynolds & Reynolds. (See Reynolds, Ira, assignor.)					
164, 329	Reynolds, Andrew J., Chicago, Ill. Fruit-drier.....	June 29, 1875	1218	392	7	1129
170, 398	Reynolds, Daniel M., Chicago, Ill. Portable flower-stand.....	Nov. 23, 1875	1065	335	8	898
165, 132	Reynolds, David M., Port Deposit, Md. Machine for polishing sheet-iron.....	June 8, 1875	462	153	7	1004
160, 956	Reynolds, Edwin, Providence, R. I. Screw-tap.....	Nov. 23, 1875	1063	334	8	898
	Reynolds, George, Unionville, Conn. Soap-book.....	June 29, 1875	1230	392	7	1129
	Reynolds, George H., assignor of one-half interest to Cornelius H. Delamater and George H. Robinson, New York, N. Y. Relief apparatus for air-compressors.....	Mar. 16, 1875	658	215	7	456
	Same..... Valve-gear for steam-engines.....	Apr. 13, 1875	453	151	7	642
	Same..... Cushion for pistons of steam-engines.....	Apr. 20, 1875	557	183	7	663
	Reynolds, George H., assignor to self and Cornelius H. Delamater, New York, N. Y. Rock-drill.....	Apr. 20, 1875	773	251	7	689
	Reynolds, George H., assignor of one-half interest to Cornelius H. Delamater and George H. Robinson, New York, N. Y. Valve for steam-engines.....	Apr. 27, 1875	1042	332	7	731
	Reynolds, George H., New York, and Walter Tefft, Mineville, N. Y. Rock-drill chuck.....	May 11, 1875	500	163	7	819
	Reynolds, George H., assignor to self, Cornelius H. Delamater, and George H. Robinson, New York, N. Y. Rock-drill.....	June 15, 1875	538	177	7	1023
	Same..... Tripod for rock-drills.....	June 15, 1875	540	177	7	1023
	Same..... Rock-drill tripod.....	June 15, 1875	542	178	7	1023
	Reynolds, George H., and James Miller, assignors of one-half interest to Cornelius H. Delamater and George H. Robinson, New York, N. Y. Valve and box for air-compressors.....	June 29, 1875	1217	392	7	1128

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169, 586	Reynolds, George H., New York, N. Y., assignor to self, C. H. Delamater, and George H. Robinson. Piston-packing.....	Nov. 2, 1875	246	81	8	767
169, 587	Same..... Rock-drilling engine.....	Nov. 2, 1875	247	81	8	768
169, 588	Same..... Press.....	Nov. 2, 1875	248	81	8	768
158, 523	Reynolds, George W. (See Rider & Reynolds.)					
164, 873	Reynolds, Henry, Green Point, N. Y. Coal-scuttle.....	Jan. 5, 1875	151	51	7	30
168, 417	Reynolds, Ira, assignor to Reynolds & Reynolds, Dayton, Ohio. Blank-book.....	June 22, 1875	984	318	7	1090
162, 100	Reynolds, Isaac N., Cincinnati, Ohio. Tobacco-bucket lid.....	Oct. 5, 1875	88	30	8	577
	Reynolds, Jesse, Philadelphia, Pa. Radiator.....	Apr. 13, 1875	452	151	7	642
158, 739	Reynolds, John. (See Carobbi & Eolini, assignors.)					
170, 769	Reynolds, Joseph A., New York, N. Y. Towel-rack.....	Jan. 12, 1875	357	121	7	74
6, 361	Reynolds, Joshua G., Elizabeth, N. J. Strap-hinge.....	Dec. 7, 1875	105	33	8	964
	Reynolds, Ransom S., Waterbury, Conn., assignor, by mesne assignments, to James A. Maloney, James S. Welch, Abraham H. Herr, and Edward P., James H., Rosia W., and Herbert P. Welch. Grain-drier..... (Reissue.)	Mar. 30, 1875	1292	{ 414 415 }	7	556
158, 439	Reynolds, Silas H., and George B. Newball, Lynn, Mass. Feather-edge-skiving knife for shoe-making.....	Jan. 5, 1875	73	26	7	20
158, 440	Reynolds, William C., Collierstown, Va. Seed-planter.....	Jan. 5, 1875	74	26	7	20
	Reynolds, William D., trustee. (See Goodridge, John M., assignor)..... (Reissue.)					
159, 610	Reynolds, William H., et al. (See Garrick, Thomas, assignor.)					
170, 191	Reynolds, William L., assignor of two-thirds interest to Calvin Haskell and William B. Dean, Saint Louis, Mo. Manufacture of wire.....	Feb. 9, 1875	351		7	241
164, 764	Reynolds, William W., Brandon, Vt. Weighing-scales.....	Nov. 23, 1875	877	274	8	872
165, 755	Rhind, Frank, Brooklyn, N. Y., assignor to Bristol Brass and Clock Company, Bristol, Conn. Die for forming screw-threads.....	June 22, 1875	877	286	7	1077
169, 479	Rhind, Frank, Brooklyn, N. Y., assignor of two-thirds interest to Keys P. Cool, New York, N. Y., and Jane E. Smith, Crawford, N. J. Car-lamp.....	July 29, 1875	611	188	8	117
	Rhind, Frank, Brooklyn, N. Y., assignor of two-thirds interest to Jane E. Smith, Crawford, N. J., and Keyes P. Cool, Glens Falls, N. Y. Method of blowing glass spheres.....	Nov. 2, 1875	142	46	8	754
162, 950	Rhoades, James W. (See Carter & Rhoades.)					
164, 330	Rhoades, James M. (See Rhoades, John, assignor.)					
171, 531	Rhoades, John, Harrisburgh, Pa. Car-axle box.....	May 4, 1875	198	65	7	773
6, 551	Rhoades, John, assignor of one-half interest to James M. Rhoades, Harrisburgh, Pa. Car-coupling.....	June 8, 1875	463	153	7	1004
	Rhoades, John P., Philadelphia, Pa. Station-indicator.....	Dec. 28, 1875	866	284	8	1089
6, 552	Rhodes, Benjamin, Bow, England, assignor, by mesne assignments, to Nathaniel B. Tugitt, Washington, D. C. Paper barrel and cylindrical box. (Reissue).....	July 20, 1875	772	236	8	139
	Same..... Manufacture of irregular-shaped vessels..... (Reissue.)	July 20, 1875	773	237	8	139
162, 193	Rhodes, Henry H. (See Redmond & Rhodes.)					
169, 374	Rhodes, Henry H., and Charles C. Redmond, assignors of one-half interest to H. S. Lampkin and E. M. Gibson, San José, Cal. Bobbin-winder for sewing-machines.....	Apr. 20, 1875	558	183	7	663
168, 528	Rhodes, Samuel G., Michael Shillito, and John I. Speed, Leeds, England. Machine for finishing yarn, thread, &c.....	Nov. 2, 1875	53	16	8	742
164, 483	Rhodes, William. (See Combs & Rhodes.)					
	Rhodes, William P., and John H. Swartz, assignors to said Rhodes and De Witt C. Taylor, Brooklyn, N. Y. Water-meter.....	Oct. 5, 1875	189	62	8	591
163, 694	Rice, Aaron, assignor to Walter Heywood Chair Company, Fitchburgh, Mass. Rotary stool.....	June 15, 1875	620	201	7	1033
160, 350	Rice, Barton and Fales Machine and Iron Company. (See Webber, Charles C., assignor.)					
168, 782	Rice, Charles E., et al. (See Moulton, Damon & Rice.)					
162, 922	Rice, Charles W., and Asa L. Burbank, Worcester, Mass. Mainspring for watches.....	May 25, 1875	927	295	7	899
161, 549	Rice, David H., and John W. Murkland, Lowell, Mass. Adjustable saw-bench.....	Mar. 2, 1875	82	29, 30	7	360
162, 768	Rice, David H., and John W. Murkland, Lowell, Mass., said Murkland assignor to said Rice. Planing-machine.....	Oct. 5, 1875	190	62	8	591
162, 769	Rice, Elisha E., San Francisco, Cal., assignor of one-fourth interest to G. W. Dyer, Washington, D. C. Method and apparatus for burning oils.....	Oct. 11, 1875	445	145	8	635
6, 422	Rice, E. B. (See Pelton, George M., assignor.)					
106, 720	Rice, Frank F., et al. (See Bridgman, Charles F., assignor.)					
161, 549	Rice, Harvey W., Haywood, Cal. Steam-boiler..... (Reissue.)	May 4, 1875	255	82	7	780
162, 768	Rice, Henry F., Allen County, Kansas. Implement for destroying chinch-bugs.....	Aug. 17, 1875	528	162	8	290
162, 769	Rice, Henry F., James M., and William B., Dubuque, Iowa. Car-brake.....	Mar. 30, 1875	1241	399	7	549
	Same..... Floating draw-bridge.....	May 4, 1875	29	10	7	751
	Same..... Car-coupling.....	May 4, 1875	31	10	7	751
8, 372	Rice, Israel L. G. (See Moulton, Damon & Rice.)					
163, 870	Rice, James D., Philadelphia, Pa. Tea and coffee pot..... (Design.)	June 1, 1875			7	926
	Same..... Stereoscopic-picture holder.....	July 20, 1875	729	222	8	133
159, 842	Rice, James M. (See Rice, Henry F., James M., and William B.)					
160, 120	Rice, John H., Keithsburg, Ill. Cultivator.....	Feb. 16, 1875	581	193	7	277
158, 441	Rice, Mark A., Pent Water, Mich. Electro-magnet.....	Feb. 23, 1875	852	281	7	321
163, 411	Rice, Orrin, Adrian, Ill. Door-mat.....	Jan. 5, 1875	74	27	7	20
	Same..... same.....	May 18, 1875	659	211	7	857
	Rice, Quartus, South Boston, Mass. Sewing-machine..... (Extension.)	Jan. 21, 1875			7	222
170, 016	Rice, William B. (See Rice, Henry F., James M., and William B.)					
161, 638	Rice, William B., trustee. (See Prusha & Wales, assignors)..... (Reissue.)					
164, 037	Rice, William B., Quincy, Mass. Boot and shoe.....	Nov. 16, 1875	689	216	8	840
170, 593	Rich, Henry F. (See Walton, James, assignor.)					
161, 638	Richard, Joseph S., Paris, France. Warping-machine.....	Apr. 6, 1875	43	16, 17	7	575
164, 037	Richards, Augustus C., New York, N. Y. Type-setting machine.....	June 1, 1875	171	60, 61	7	954
	Same..... same.....	Nov. 30, 1875	1263	{ 397 398 }	8	933
168, 530	Richards, Augustus W. (See Jenkins & Richards.)					
164, 102	Richards, Aurelius W., Muscatine, Iowa. Carriage-jack.....	Oct. 5, 1875	191	63	8	591
	Richards, Francis H., New Britain, Conn. Machine for forging horseshoe-nail-blank bars.....	June 8, 1875	255	87, 88	7	977
170, 017	Richards, George. (See Richards, John and George.)					
167, 023	Richards, Henry. (See Traut & Richards.)					
159, 379	Richards, I. Clark, Farmington, Me. Apple-slicer.....	Nov. 16, 1875	690	217	8	840
	Richards, Jackson, Philadelphia, Pa. Piston-packing.....	Aug. 24, 1875	825	257	8	341
	Richards, John, Philadelphia, Pa., and George Richards, Golthenburg, Sweden. Boring-machine.....	Feb. 2, 1875	33	12	7	189
	Richards, Joseph W. (See Spear & Richards.)					
	Richards, Paul. (See Hern & Richards.)					
	Richards, Percival D. (See Safford, Mark, assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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161, 902	Richards, Percival D., West Medford, assignor to Cutter, Tower & Co., Boston, Mass. Pencil and crayon holder.....	Apr. 13, 1875	287	97	7	621
165, 871	Richards, Thomas, Sydney, Australia. Numbering printing-plates.....	July 20, 1875	730	223	8	133
166, 477	Richards, Thomas, Cleveland, Ohio. Life-preserving jacket.....	Aug. 10, 1875	297	89	8	248
166, 145	Richards, Thomas C., West Winsted, Conn. Socket for attaching ornamental heads to nails.....	July 27, 1875	1007	310	8	184
167, 620	Same..... Adjustable hook for hanging pictures.....	Sept. 14, 1875	226	70	8	445
169, 730	Richards, Thomas C., New York, N. Y. Picture-nail.....	Nov. 9, 1875	410	130	8	798
169, 921	Richards, Thomas C., West Winsted, Conn. Screw attachment for picture-nails.....	Nov. 16, 1875	611	189	8	829
169, 922	Same..... Coffin-handle.....	Nov. 16, 1875	612	190	8	829
164, 036	Richardson, Albion P. (See Tongas, John B., assignor.)					
169, 845	Richardson, Alfred J. (See Potter & Richardson.)					
169, 845	Richardson, Arthur A., Leominster, Mass. Hat.....	June 1, 1875	170	60	7	954
158, 740	Richardson, Clinton W., Flushing, assignor to Davis Metallic Wheel Manufacturing Company, New York, N. Y. Vehicle-axle.....	Nov. 9, 1875	529	165	8	810
166, 478	Richardson, David M., Detroit, Mich. Grain-scourer.....	Jan. 12, 1875	357	122	7	71
165, 506	Richardson, Ephraim D., Chardon, Ohio. Clothes-line reel.....	Aug. 10, 1875	297	89	8	248
165, 506	Richardson, Everett P., Lawrence, Mass. Machine for sewing turned shoes.....	July 13, 1875	372	{ 110 111	8	67
166, 411	Richardson, Ezra, and Porter Harkness, New Rutland, Ill. Windmill and watering apparatus.....	July 13, 1875	371	110	8	67
6, 415	Richardson, Frederic A., Boston, Mass. Shirt.....	Aug. 3, 1875	214	65	8	229
6, 416	Richardson, George, Lowell, Mass., assignor of one-half interest to Lowell Machine Shop. Spindle-bolster for spinning-machines. (Reissue.).....	May 4, 1875	248	79	7	780
167, 272	Same..... Bobbin for spinning-machines. (Reissue.).....	May 4, 1875	249	80	7	780
170, 594	Richardson, George, Lowell, Mass. Spinning ring and ring-rail.....	June 1, 1875	43	15	7	936
171, 427	Same..... Guide for spooling and winding machines.....	Aug. 31, 1875	1072	334	8	383
166, 938	Richardson, George, Milwaukee, Wis. Apparatus for treating carbonic acid for hardening cement.....	Nov. 30, 1875	1264	398	8	933
164, 935	Richardson, Hamilton, Jamesville, Wis. Sulky-plow.....	Dec. 21, 1875	752	247	8	1065
166, 144	Richardson, Henry J., Brooklyn, N. Y. Ruler.....	Aug. 24, 1875	742	230	8	330
162, 951	Richardson, Isaac C., Nashua, N. H. Steam-heating apparatus.....	June 29, 1875	1061	342	7	1107
158, 866	Richardson, James P., Washington, D. C. Composition for pavements.....	Mar. 30, 1875	1242		7	549
167, 574	Same..... Magazine for coal-stoves.....	July 27, 1875	1006	310	8	184
167, 574	Richardson, John, New York, N. Y. Opera-chair.....	May 4, 1875	199	65	7	773
168, 107	Richardson, John D., Houston, Tex. Bed-plate for steam-engines.....	Jan. 19, 1875	604	{ 200 201	7	122
164, 331	Richardson, John J. (See Clark, Richardson & Foller.)					
164, 331	Richardson, Julius C., Manlius, N. Y. Manufacture of trowels.....	June 8, 1875	463	{ 153 154	7	1004
158, 866	Richardson, Leonard. (See Chimrock, George H., assignor.)					
165, 754	Same..... (See Leland, Edwin A., assignor.)					
168, 107	Richardson, Marcus F. (See Neal, Thomas H., assignor.)					
169, 192	Richardson, Milo A., Bridgeport, Conn. Monument.....	Jan. 19, 1875	493	166	7	108
167, 358	Same..... Wringer.....	July 20, 1875	610	188	8	117
168, 343	Richardson, Milo A., Bridgeport, Conn., assignor to Edwin Riply, Sherman, N. Y. Boot jack.....	Sept. 28, 1875	701	222	8	528
164, 874	Richardson, Milo A., Bridgeport, Conn. Soldering process.....	Oct. 26, 1875	849	277	8	708
166, 721	Richardson, Nathan H., Fitchburgh, Mass. Measuring mechanism for rattan-machines.....	Aug. 31, 1875	1148	361	8	394
167, 120	Richardson, Orlo W., Chicago, Ill. Pattern-multiplier.....	Oct. 5, 1875	22	9	8	568
166, 144	Richardson, Orville P. (See Mason & Richardson.)					
167, 691	Richardson, William, New York, N. Y. Bell-pull.....	June 22, 1875	985	318	7	1090
167, 120	Richardson, William C. B., Cleveland, Ohio. Rotary spader.....	Aug. 17, 1875	529	162	8	291
165, 529	Richardson, William H. (See Tiffany, George E., assignor.)					
165, 529	Richardson, William H., Cincinnati, Ohio. Spark-arrestor.....	Apr. 27, 1875	1043	333	7	731
165, 026	Richardson, William H., San Francisco, Cal. Air and water heater.....	Aug. 24, 1875	917	286	8	354
167, 691	Richey, James D., Saint Louis, Mo. Ventilating-pipe for lead-corroding houses.....	May 18, 1875	773	245	7	871
160, 232	Richey, Albert H., Lehanon, Pa. Tailor's measuring apparatus.....	June 29, 1875	1134	366	7	1117
160, 232	Richey, James, and Lachan H. McDougall, Cincinnati, Ohio. Coffin.....	Sept. 14, 1875	285	90	8	454
160, 233	Riebig, E. Lucien. (See Werni, Peleg, assignor.)					
158, 741	Richmann, Henry, Cincinnati, Ohio. Hydraulic hoist.....	Feb. 23, 1875	948	311	7	335
171, 169	Same..... Hoisting-machine.....	Feb. 23, 1875	949	311	7	335
171, 169	Richmond, Apollo, Brooklyn, Conn. Grate.....	Jan. 12, 1875	358	122	7	71
158, 524	Richmond Car Litter Company. (See Imboden, John D., assignor.)					
167, 788	Richmond, Eli S., assignor of one-half interest to Hiram L. Richmond, Aberdeen, Ind. Washing-machine.....	Dec. 14, 1875	489	161	8	1023
8, 416	Richmond, Hiram L. (See Richmond, Eli S., assignor.)					
167, 788	Richmond, James, deceased, by William Richmond, executor, Lockport, N. Y. Smut-mill.....	Jan. 5, 1875	152	51	7	30
167, 788	Richmond, John T. (See Emerson, Clark & Richmond.)					
167, 788	Richmond, William, executor. (See Richmond, James.)					
167, 788	Richmond, William, Thomas Ryan, and James McGill, Lockport, N. Y. Smut-mill.....	Sept. 14, 1875	377	{ 120 121	8	467
165, 756	Richter, Charles, Dedham, assignor to Alden Batchelder, Reading, Mass. Desk. (Design.).....	June 22, 1875			7	1057
170, 400	Richter, Daniel. (See Waehner, Johann, assignor.)					
165, 756	Richter, George. (See Bartenbach & Richter.)					
168, 288	Richter, Joseph, and Gumal Merkle, Cincinnati, Ohio. Lubricator.....	July 20, 1875	612	188	8	118
170, 400	Richter, Rudolph, assignor of one-half interest to John E. Thomas, Indianapolis, Ind. Operating prison-doors.....	Nov. 23, 1875	1065	335	8	898
168, 288	Ricker, Samuel W. (See Smith & Ricker.)					
170, 114	Ricketts, John C., Denver, Colo. Kitchen table.....	Sept. 28, 1875	865	277	8	551
158, 525	Riddle, George T., Saint Louis, Mo. Matching-machine for box-stuff.....	Nov. 16, 1875	781	248	8	852
167, 568	Rider, Alexander K., assignor to Rider, Wooster & Co., Walden, N. Y. Air-vacuum engine.....	Jan. 5, 1875	154	52	7	30
163, 412	Same..... Air engine.....	Sept. 7, 1875	165	52	8	429
171, 170	Rider, C. W., administrator. (See Rider, Edward S.)					
159, 553	Rider, Edward S., Catlettsburgh, Ky. Dental plugger.....	May 18, 1875	660	211	7	857
160, 715	Rider, Edward S., deceased, Catlettsburgh, Ky., by C. W. Rider, administrator. Dental plugger.....	Dec. 14, 1875	489	162	8	1023
163, 530	Rider, Leman P., Pittsburgh, Pa. Casting tubular articles.....	Feb. 9, 1875	309	100	7	234
166, 939	Rider, Leman P., and William H. Shillito, Pittsburgh, Pa. Relief-valve for air and steam brake cylinders.....	Mar. 9, 1875	422	140	7	418
166, 939	Rider, Michael C., and George W. Reynolds, Loveville, Pa. Grain-separator.....	May 18, 1875	774	245	7	871
166, 939	Rider, William D., assignor to self, Levy Shirley, and A. D. King, Plum Hollow, Iowa. Corn-marker.....	Aug. 24, 1875	743	230	8	350
	Rider, Wooster & Co. (See Rider, Alexander K., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 121	Ridgely, James L., jr., Harrisonville, Md. Lumber-car.	Aug. 24, 1875	919	286	8	354
159, 709	Ridgway, Charles L., Boston, assignor of one-half interest to Joseph H. Hatch, Melrose, Mass. Self lighting cigar	Feb. 9, 1875	441	148	7	254
159, 843	Ridgway, Dan H. (See Thornton, John J., assignor.) Ridgway, Job H., Philadelphia, Pa. Refrigerator	Feb. 16, 1875	582	193	7	277
167, 569	Ridgway, John C. (See McKenna, William S., assignor.) Ridgway, N. B., et al. (See Burrows, William T., assignor.)					
168, 108	Rieder, Albert, assignor to self, Michael Helbling, and Samuel S. McKenney, Allegheny, Pa. Compound for lining oil-barrels.	Sept. 7, 1875	167		8	430
160, 234	Rieder, Albert, Allegheny, Pa. Compound resembling linseed-oil	Sept. 28, 1875	702		8	529
158, 526	Riedinger, Michael, Yorkville, Ind. Game-board	Feb. 23, 1875	950	312	7	335
116, 249	Riedling, Frederick, Upper Sandusky, Ohio. Sheep-shears	Jan. 5, 1875	154	52	7	30
166, 479	Riegel, Samuel D., Adelphi, Ohio. Adjustable handle for harrows	Aug. 3, 1875	104	33	8	211
164, 214	Riegler, Alexander. (See Lunkenheimer & Riegler.)					
167, 939	Rieppel, John, Renovo, Pa. Steam-whistle	Aug. 10, 1875	298	89	8	249
164, 875	Riesck, George, Pittsburgh, Pa. Combination lock	June 8, 1875	351	120	7	989
159, 967	Riesel, Henry, Galveston, Tex. Automatic bale-rolling attachment for compressors	Sept. 21, 1875	518	166	8	496
160, 716	Rieth, John, Lansing, Iowa. Wash-boiler	June 22, 1875	986	318	7	1090
161, 278	Rigby, Artemas, Upper Stillwater, Me. Plow	Feb. 16, 1875	697	232	7	292
160, 351	Rigby, Clark F., Newcastle, Pa. Rack for barrels	Mar. 9, 1875	423	141	7	418
163, 609	Rigby, Henry, Philadelphia, Pa. Stereoscope	Mar. 23, 1875	967	316	7	505
163, 808	Rigby, James, assignor of one-half interest to V. A. Farr, Springfield, Ohio. Middlings-purifier	Mar. 2, 1875	84	30	7	360
159, 452	Rigby, John, Chicopee, Mass. Loom-shuttle	May 25, 1875	861	271	7	890
167, 122	Riggins, George B., New York, N. Y. Steam-radiator	May 25, 1875	1026	325	7	913
163, 256	Rigsby, John W. (See Hipkins & Rigsby.)					
166, 811	Riker, Carroll L., Rochelle Park, N. J., assignor to the Vegetable Felting Company, New York, N. Y. Non-conducting covering	Feb. 2, 1875	191	64	7	211
165, 027	Rikli, Mathieu A., Neideruzwyl, Switzerland. Passenger-car	Aug. 24, 1875	919	287	8	355
165, 507	Riley, Alexander H., Butler, Georgia. Attachment to crosscut-saws	May 11, 1875	499	162	7	819
168, 783	Riley, Alfred T., Halleck, Mo. Car-brake	Aug. 17, 1875	609	188	8	303
168, 847	Riley, Charles W., Philadelphia, Pa. Air hand-engine	June 29, 1875	1135	366	7	1117
162, 692	Riley, Isaac, assignor to Baird & Riley, Boston, Mass. Water-supply apparatus for water-closets	July 13, 1875	375	111	8	67
164, 936	Riley, John C., Cincinnati, Ohio. Gasoline-burner	Oct. 11, 1875	447	146	8	636
170, 595	Riley, Thomas M. (See Stanton & Riley.) Rilling, John G. (See Hehr, John G., assignor.)					
165, 179	Rimbach, George, Boston, Mass. Key-board harmonicon	Oct. 19, 1875	514	{ 168 169 }	8	653
170, 699	Rimbold, Pierre, San Antonio, Tex. Bench-vice	Apr. 27, 1875	1044	353	7	731
164, 484	Rimes, Adam, assignor of one-half interest to Theodore N. Austin, Marshall, Mich. Hub	June 29, 1875	1063	342	7	1107
167, 939	Rinek, John, Easton, Pa. Tube for forming rope	Nov. 30, 1875	1265	398	8	933
165, 179	Ring, Jacob L. (See Brancher & Ring.)					
170, 699	Ring, Peter, et al. (See Carroll, Thomas J., assignor.)					
164, 484	Ring, Gerhard, Smith City, Mo. Plow	July 6, 1875	37	10	8	13
167, 939	Rinker, Robert S., Mount Jackson, Va. Automatic gate	Dec. 7, 1875	214	74	8	979
167, 939	Riott, Joseph, Mount Sterling, Ill. Harrow	June 15, 1875	620	201	7	1033
171, 244	Ripley, George B. (See Fell, Thomas M., assignor.)					
169, 040	Ripley, William I., Indianapolis, Ind. Combined check-box and cash-indicator	Dec. 21, 1875	587	193	8	1044
160, 352	Riply, Edwin. (See Richardson, Milo A., assignor.)					
169, 846	Rippen, Adolph, assignor to William and Mathan Harbster and William M. Griscom, Reading, Pa. Apple-paring machine	Oct. 19, 1875	692	228	8	678
6, 607	Rippingille, Edward A., Holborn, England. Lamp for lighting and heating	Mar. 2, 1875	85	31	7	361
6, 827	Ripple, John M. (See Knight & Ripple.)					
163, 946	Rising, George M., Cherokee, Iowa. Whip-socket	Nov. 9, 1875	529	165	8	810
166, 812	Ritchie, Edward S., Brookline, Mass. Mariner's compass (Reissue)	Aug. 24, 1875	946	{ 295 296 }	8	358
170, 451	Same..... same (Reissue)	Dec. 23, 1875	989	{ 319 320 }	8	1106
163, 946	Same..... Apparatus for viewing pictures	June 1, 1875	91	31	7	943
166, 812	Same..... Mariner's compass	Aug. 17, 1875	610	189	8	303
170, 451	Same..... Lantern	Nov. 30, 1875	1125	354	8	915
159, 453	Ritchie, Francis. (See Vedder & Ritchie.)					
169, 041	Same..... (See Vedder, Heister & Ritchie.)					
163, 531	Same..... (See Vedder, Ritchie & Heister.)					
159, 454	Same..... (See Wolfe & Ritchie.)					
162, 102	Same..... (See Wolfe, Vedder & Ritchie.)					
165, 508	Rites, Lewis A., Grey Court, N. Y. Device for increasing traction of locomotives	Feb. 2, 1875	192	64	7	211
169, 041	Rittenhouse, Thomas L., and J. Vance Lewis, Washington, D. C. Corn-planter	Oct. 19, 1875	693	{ 228 229 }	8	678
163, 531	Roads, Thomas J. (See Jackson, Hannibal R., assignor.)					
159, 454	Roake, Daniel, Haverhill, Mass. Rain-spout support	May 18, 1875	774	245	7	871
162, 102	Roark, Amos, Gilman, Iowa. Corn-planter	Feb. 2, 1875	192	65	7	211
165, 508	Robarus, Joseph W., Richmond, Va. Sewing-machine hemmer	Apr. 13, 1875	454	151	7	642
169, 193	Roberts, James L., Brunswick, Ga. Stove	July 13, 1875	376	111	8	67
164, 765	Robbins, Elisha, Cotuit Port, Mass. Anchor-tripper	Oct. 26, 1875	850	277	8	708
168, 050	Robbins, Frank, Oil City, Pa. Photographic dark-trunk	June 22, 1875	878	286	7	1077
159, 219	Robbins, Henry R., Baltimore, Md. Sad-iron	Sept. 21, 1875	625	200	8	512
171, 171	Robbins, Hiram B., Tekonsha, Mich. Tire-tightener	Jan. 26, 1875	847	277	7	163
165, 758	Robbins, Joseph A., Boston, Mass., assignor to Nathaniel Corning, North Londonderry, N. H., D. W. B. Jackson, Boston, George W. Hobbs, Uxbridge, and William Keach, Milford, Mass. Door-spring	Dec. 14, 1875	491	162	8	1023
164, 397	Robbins, Louis S., New York, N. Y. Process of preserving wood	July 20, 1875	613	189	8	118
160, 121	Robbins, Stephen, Philadelphia, Pa. Machine for granulating slag	June 15, 1875	543	178	7	1023
170, 192	Robert, Julius, Gross Sedowitz, Austria, assignor to Oto Kratz and R. Sieg, New Orleans, La. Sugar-cane-cutting machine	Feb. 23, 1875	852	281	7	322
170, 770	Roberts, Benjamin F. (See Heaton, Horaco L., assignor.)					
8, 486	Roberts, Benjamin F., Bennington, Vt. Baled earthenware	Nov. 23, 1875	878	275	8	872
166, 147	Same..... Butter-carrier	Dec. 7, 1875	106	34	8	964
162, 498	Roberts, Christopher, Newark, N. J. Rubber eraser (Design)	July 13, 1875			8	49
161, 531	Roberts, Cyrus, Three Rivers, Mich. Portable horse-power	July 27, 1875	1008	311	8	184
6, 258	Roberts, Cyrus G., Jersey City, N. J. Spark-arrester	Apr. 27, 1875	871	279	7	710
	Roberts, Ebenezer L., Plainfield, N. J. Ventilating-bed	Mar. 30, 1875	1243	400	7	549
	Roberts, Edward A. L., Titusville, Pa. Method of increasing the capacity of oil-wells. (Reissue)	Jan. 26, 1875	883	287	7	168

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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165, 616	Roberts, Edward C., Broad Ford, Pa. Instrument for measuring distances and altitudes.	July 13, 1875	473	144	8	82
160, 717	Roberts, Edward J., assignor to self, A. John Bell, and Edward M. Norton, Ashland, Ky. Car-brake	Mar. 9, 1875	423	141	7	418
170, 115	Roberts, George, administrator. (See Perkins, George C.)					
	Roberts, George, Wheeling, W. Va. Window-scaffold	Nov. 16, 1875	782	248	8	852
160, 235	Roberts, George B., et al. (See Sbaw, Benjamin F., assignor.)					
	Roberts, George H., Bow, England. Mold for the manufacture of screws from hard cast-iron	Feb. 23, 1875	950	312	7	336
8, 783	Roberts, Henry P., De Ruyter, N. Y. Flower-stand (Design)	Nov. 9, 1875			8	777
165, 757	Roberts, John H., Boston, Mass. Scroll-sawing machine	July 20, 1875	612	189	8	118
161, 157	Roberts, Leonard C., Gorham, Me. Cultivator	Mar. 23, 1875	851	278	7	490
160, 062	Roberts, Lewis E., Quakertown, Pa. Clamp for anchoring cores	Feb. 23, 1875	806	265	7	314
158, 603	Roberts, Luke J., Waterbury, Conn. Milk cooler	Jan. 12, 1875	239	81	7	57
168, 289	Roberts, Malcom, North Madison, Ohio. Heating-stove	Sept. 28, 1875	866	277	8	551
167, 789	Roberts, Mark L., assignor of two-thirds interest to Elijah O. Case and William R. Newton, Mansfield, Ohio. Horseshoe	Sept. 14, 1875	378	121	8	467
6, 211	Roberts, Martin R., San Francisco, Cal. Coal screen and chute (Reissue)	Jan. 5, 1875	194	66	7	367
159, 844	Roberts, Mathew H., assignor of one-half interest to John McCoy, Philadelphia, Pa. Heater	Feb. 16, 1875	583	193	7	277
165, 256	Roberts, Moses C., and King D. Briggs, Great Bend, N. Y. Metallic butter-package	July 6, 1875	105	31	8	23
166, 146	Roberts, Perley P., Morrisville, Vt. Vegetable-washer	July 27, 1875	1008	310	8	184
160, 122	Roberts, Robert, Pattenburgh, assignor of one-half interest to Nathan S. Wickoff, Clinton, N. J. Dumping car	Feb. 23, 1875	853	282	7	322
163, 413	Roberts, Robert R., Hot Springs, Ark. Portable medicating hot-vapor bath	May 18, 1875	661	211	7	857
168, 734	Roberts, Robert R., Vermillion, Ill. Elevator for vehicles	Oct. 11, 1875	448	146	8	636
169, 480	Roberts, Thomas, assignor of one-half interest to Abel S. Dungan, Baltimore, Md. Hermetic-sealing device	Nov. 2, 1875	142	46	8	755
164, 766	Roberts, William, Quincy, Ill. Combined lamp and oil-can	June 22, 1875	878	286	7	1077
161, 440	Robertson, Edwin, Fairmount, Ill. Sultry-plow	Mar. 30, 1875	1134	366	7	535
171, 045	Robertson, John F., Chester, N. Y. Toy trundle	Dec. 14, 1875	364	121	8	1006
164, 937	Robertson, John L. (See Blakey, Mildred, assignor.)					
	Robertson, J. Truro, New York, N. Y. Picture-hanger	June 29, 1875	1063	342	7	1167
	Robertson, Robert A. (See Watson & Robertson.)					
166, 480	Robertson, Thomas, Toronto, Canada. Match-box	Aug. 10, 1875	299	90	8	249
164, 038	Robertson, Thomas J. W., Washington, D. C. Sash-balance	June 1, 1875	171	61	7	954
165, 123	Same. Toy chromatope	June 29, 1875	1220	393	7	1129
168, 785	Robertson, T. J. W., New York, N. Y. Iron fence	Oct. 11, 1875	448	146	8	636
162, 577	Robertson, William H., assignor of two-thirds interest to Rufus Ford and Abel H. Gunn, Buda, Ill. Cultivator	Apr. 27, 1875	935	360	7	718
	Robertson, William W. (See Johnstone, William, assignor.)					
	Robinson, Albert M. (See Robinson, Francis D., assignor.)					
159, 042	Robinson, Almon, Webster, Me. Manufacture of wooden boxes	Jan. 23, 1875	657	227	7	140
159, 445	Same. Package for prints of butter	Feb. 16, 1875	583	194	7	277
169, 292	Same. Butter-package	Oct. 26, 1875	944	306	8	720
161, 704	Robinson, Andrew J., Troy, N. Y. Chimney-cowl	Apr. 6, 1875	96	34	7	583
165, 028	Robinson, Andrew J., New York, N. Y. Chimney-cowl	June 29, 1875	1136	366	7	1117
165, 509	Robinson, Charles, Cambridge, Mass. Street-lamp reflector	July 13, 1875	376	111	8	68
171, 632	Robinson, Charles E., Brooklyn, N. Y. Steam-boiler furnace	Dec. 28, 1875	976	316	8	1104
161, 826	Robinson, Clark, assignor of one-fourth interest to Charles Desilets, Eau Claire, Wis. Thill-coupling	Apr. 6, 1875	208	70	7	598
163, 532	Robinson, Clark, Eau Claire, Wis. Trace-fastener	May 18, 1875	775	246	7	871
159, 719	Robinson, Darius S., Cleveland, Ohio. Paint-oil compound and process of preparing the same	Feb. 9, 1875	441		7	251
167, 622	Robinson, Darius S., assignor of one-half interest to Asbury M. Searles, Cleveland, Ohio. Paint-oil compound	Sept. 14, 1875	227		8	445
163, 947	Robinson, Edward J., Schenectady, N. Y. Washing-machine	June 1, 1875	92	31	7	943
161, 705	Robinson, Francis D., assignor to Albert M. Robinson, Boston, Mass. Latch for doors, &c	Apr. 6, 1875	97	34	7	583
	Robinson, George H., et al. (See Reynolds & Miller, assignors.)					
	Same. (See Reynolds, George H., assignor.)					
159, 968	Robinson, James H., Washington, D. C. Heating-stove	Feb. 16, 1875	698	232	7	293
164, 215	Robinson, James J., Gibson City, Ill. Rotary churn-dasher	June 8, 1875	352	120	7	989
160, 471	Robinson, John B. (See Anderson & Houghton, assignors.) (Reissue)					
168, 052	Robinson, John J., Orange Court-House, Va. Stair-builder's rule	Mar. 2, 1875	192	66	7	376
	Robinson, Lafayette, Medina, N. Y. Sink	Sept. 21, 1875	626	201	8	512
	Robinson, Mark M. (See Covell & Robinson.)					
163, 809	Robinson, Mary E., Jackson, Miss. Starch-lubricant	May 25, 1875	1027		7	913
	Robinson, Nelson L. (See Acker & Robinson.)					
162, 253	Robinson, Norman W., Frank W. Smith, and Henry Campbell, Burlington, Vt. Machine for grinding marble and tile	Apr. 29, 1875	615	200	7	670
163, 810	Robinson, Orvil M., Upper Jay, N. Y. Breech-loading fire-arm	May 25, 1875	1028	325	7	913
158, 981	Robinson, R. Miles, Philadelphia, Pa. Fare-box	Jan. 19, 1875	605	201	7	122
158, 982	Same	Jan. 19, 1875	608	201	7	122
162, 420	Same	Apr. 20, 1875	775	252	7	689
167, 621	Robinson, Samuel F., Quiney, Ill., assignor of one-half interest to Philip M. Ogan, Saint Louis, Mo. Hand-stamp	Sept. 14, 1875	226	71	8	445
159, 119	Robinson, Sylvanus E., Marshfield, Wis. Wrench	Jan. 26, 1875	757	248	7	150
169, 660	Robinson, Thomas C., Boston, Mass. Ship's log	Nov. 9, 1875	337	107	8	787
166, 225	Robinson, William, Saint Petersburg, Pa. Connector for electric track-circuits	Aug. 3, 1875	37	12	8	204
165, 872	Robinson, William, jr., assignor to self and Samuel Harris, Wilmington, Del. Brake-shoe	July 20, 1875	730	223	8	133
171, 172	Robinson, William, Bellefontaine, Ohio. Car-coupling	Dec. 14, 1875	491	162	8	1073
	Robinson, William F. (See Brown, John L., assignor.)					
169, 293	Robinson, William H., Yates City, Ill. Railway-rail joint	Oct. 26, 1875	945	307	8	720
169, 589	Robinson, William P., Buffalo, N. Y. Machine for scouring and decorticating grain	Nov. 2, 1875	251	82	8	768
164, 938	Robinson, William T., Huntsville, Tex. Scale-beam	June 29, 1875	1064	343	7	1107
	Robinson, William T. (See Root & Robinson.)					
170, 301	Robison, Robert B., Pittsburgh, Pa. Crane	Nov. 23, 1875	875	505	8	886
	Robjohn, Susan A., administratrix. (See Robjohn, Thomas.) (Reissue)					
6, 305	Robjohn, Thomas, deceased, Susan A. Robjohn, administratrix, and assignor to George H. Wooster, New York, N. Y. Apparatus for making luted rifles (Reissue)	Feb. 23, 1875	973	320	7	339
6, 566	Robjohn, Thomas, assignor, by mesne assignments, to George H. Wooster, New York, N. Y. Sewing-machine for making band-ruffling (Reissue)	July 27, 1875	1050	323	8	129
6, 656	Same. Band ruffle (Reissue)	Oct. 5, 1875	210	75	8	596
6, 687	Same. Machine for making band-ruffles (Reissue)	Oct. 5, 1875	231	75	8	596
168, 051	Robling, Mathias, assignor of one-half interest to Peter Robling, Scranton, Pa. Boot and shoe	Sept. 21, 1875	625	200	8	512

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 545	Robling, Peter. (See Robling, Mathias, assignor.)	Mar. 9, 1875	273	93	7	397
8, 719	Robson, Joseph, Osceola, Wis. Weed-cutter and hiller	Oct. 19, 1875	.....	.....	8	645
164, 103	Roby, William H., East Cambridge, Mass. Caudlestick..... (Design)	June 8, 1875	257	88	7	977
160, 481	Same..... Glass picture-frame	.....	.....	.....	.....	.....
161, 441	Rochetot, George, Buffalo, and Friedrich Schmidt, New York, N. Y. Floor for refrige rating houses	Nov. 2, 1875	144	47	8	755
162, 311	Rochow, Ferdinand, Brooklyn, N. Y. Hydraulic engine	Mar. 30, 1875	1135	366	7	535
164, 332	Same..... Hydraulic hoisting-apparatus	Apr. 20, 1875	666	217	7	676
164, 455	Same..... Nail-feed attachment for nailing-machines	June 8, 1875	465	154	7	1004
164, 456	Same..... Sugar-cutting machine	June 15, 1875	621	201	7	1033
164, 456	Same..... same	June 15, 1875	623	201	7	1033
164, 767	Same..... same	June 22, 1875	879	287	7	1077
150, 455	Rock, Adolphe, New Orleans, La. Process and apparatus for separating and collecting tufted fiber from cotton-seed hulls	Feb. 2, 1875	193	65	7	212
165, 759	Rock, Oliver, Hudson, Mass. Sash-holder	July 20, 1875	614	189	8	118
165, 617	Rockstroh, Francis E., assignor of one-half interest to John N. Foss and Charles Ho mer, Baltimore, Md. Lard-cooler	July 13, 1875	474	{ 144 } { 145 }	8	82
165, 873	Rockwell, Robert N., Glenwood, Iowa. Windmill	July 20, 1875	731	223	8	133
162, 254	Rockwood, Loring O., Ottawa, Ill. Gang-plow	Apr. 20, 1875	616	{ 300 } { 301 }	7	670
171, 633	Same..... Cider-press	Dec. 28, 1875	977	316	8	1104
167, 473	Rodden, William H., Toronto, Canada. Marking-pot	Sept. 7, 1875	80	25	8	418
165, 257	Roddick, Thomas, Stranraer, Scotland. Oil-can	July 6, 1875	166	31	8	23
163, 258	Rodenhausen, Leonhard, Philadelphia, Pa. Hub for vehicle-wheels	May 11, 1875	501	163	7	819
166, 556	Rodes, Tyree, assignor to self and T. A. Atchison, Wales Station, Tenn. Means for raising water into railway-tanks	Aug. 10, 1875	358	110	8	258
161, 270	Rodgers, Alexander, Muskegon, Mich. Head-block for saw-mills	Mar. 23, 1875	968	{ 316 } { 317 }	7	506
161, 903	Same..... Machine for moving logs	Apr. 13, 1875	288	97	7	621
163, 259	Same..... Saw-mill	May 11, 1875	502	163	7	820
171, 173	Same..... same	Dec. 14, 1875	492	{ 162 } { 163 }	8	1073
164, 039	Rodier, Peter, Detroit, Mich. Skate	June 1, 1875	172	61	7	954
169, 482	Roe, Cyrenius C., Hamilton, Canada. Mode of uniting the ends of belting	Nov. 2, 1875	144	47	8	755
161, 354	Roe, David E., Ayer, Mass. Fly-trap	Mar. 30, 1875	1053	343	7	525
165, 874	Roe, Orville V., Chico, Cal. Washing-machine	July 20, 1875	732	224	8	133
171, 634	Roe, William H. (See Cook, Joseph C., assignor.)	.....	.....	.....	.....	.....
170, 401	Roebing, Ferdinand W., Trenton, N. J., assignor to John A. Roebing's Sons. Wire-rope	Dec. 28, 1875	978	317	8	1105
160, 461	Roebing's Sons, John A. (See Roebing, Ferdinand W., assignor.)	.....	.....	.....	.....	.....
164, 939	Roelofs, Anthony, Philadelphia, Pa. Window-shade roller	Nov. 23, 1875	1007	336	8	898
165, 950	Roemer, William, Newark, N. J. Catch-plate for bag-locks	June 29, 1875	1064	343	7	1107
169, 731	Same..... Traveling-bag	July 27, 1875	819	251	8	157
169, 731	Same..... Chain-link	Nov. 9, 1875	410	130	8	796
169, 294	Roepper, Charles W., et al. (See Detwiller, Henry J., assignor.)	.....	.....	.....	.....	.....
8, 765	Roose & Co., Charles. (See Peters, Charles, assignor.)	.....	.....	.....	.....	.....
160, 281	Roettger, William C. A., Brussels, Belgium. Manufacture of artificial marble	Oct. 26, 1875	945	.....	8	720
171, 046	Roff, Curtis T., et al. (See Mackrell, William S., assignor.)	.....	.....	.....	.....	.....
164, 216	Roff, E. W. (See Heinicke, Hermann, assignor.)	.....	.....	.....	.....	.....
161, 442	Rogers, Ambler J. (See Edwards & Rogers)..... (Reissue.)	.....	.....	.....	.....	.....
8, 337	Rogers & Brothers, C. (See Burr, Russell H., assignor)..... (Design.)	.....	.....	.....	.....	.....
8, 709	Same..... (See Mackay, John R., assignor)..... (Design.)	.....	.....	.....	.....	.....
8, 709	Same..... (See Rogers, Cephas B., assignor)..... (Design.)	.....	.....	.....	.....	.....
8, 709	Same..... (See Rogers, Gilbert, assignor)..... (Design.)	.....	.....	.....	.....	.....
8, 690	Rogers, Calvin B. (See Gladding, George S., assignor.)	.....	.....	.....	.....	.....
8, 765	Rogers, Cephas B., assignor to C. Rogers & Brothers, West Meriden, Conn. Coffin-screw	Oct. 5, 1875	.....	.....	8	561
160, 281	Same..... Coffin-plate	Nov. 2, 1875	.....	.....	8	729
171, 046	Rogers, Charles E., assignor to Rogers Upright Piano Company, Boston, Mass. Upright-piano action	Mar. 2, 1875	29	9	7	352
171, 047	Same..... same	Dec. 14, 1875	365	121	8	1006
164, 216	Same..... Stringing and tension device for piano-fortes	Dec. 14, 1875	366	122	8	1007
161, 442	Rogers, Charles J., Norwich, Conn. Soldering-iron heater	June 8, 1875	352	121	7	990
8, 337	Rogers, David. (See Carrell, Rogers & Foster.)	.....	.....	.....	.....	.....
8, 337	Rogers, Edwin. (See Gamewell, Crane & Rogers.)	.....	.....	.....	.....	.....
8, 709	Rogers, George W., Lake City, Minn. Adjustable ventilating-register	Mar. 30, 1875	1137	366	7	535
8, 709	Rogers, Gilbert, assignor to C. Rogers & Brothers, West Meriden, Conn. Coffin-handle socket	May 11, 1875	.....	.....	7	783
8, 709	Same..... Coffin-handle tip	Oct. 11, 1875	.....	.....	8	600
150, 220	Rogers, H. A. (See Livingstone, William, assignor.)	.....	.....	.....	.....	.....
8, 181	Rogers, Homer. (See Moore, Stephen and George F., assignors.)	.....	.....	.....	.....	.....
8, 182	Rogers, Homer, assignor to self and Stephen Moore, Sudbury, Mass. Manufacture of counter-stiffeners for boots and shoes	Jan. 26, 1875	847	277	7	163
8, 720	Rogers, James. (See Brownback, March, Rogers & Towers)..... (Design.)	.....	.....	.....	.....	.....
8, 879	Rogers, John, New York, N. Y. Statuary	Mar. 2, 1875	.....	.....	7	345
8, 879	Same..... same	Mar. 2, 1875	.....	.....	7	345
8, 879	Same..... same	Oct. 19, 1875	.....	.....	8	645
8, 879	Same..... Group of statuary	Dec. 28, 1875	.....	.....	8	1076
164, 487	Rogers, John F. (See Miller, Rogers & Force.)	.....	.....	.....	.....	.....
8, 550	Rogers, John G., Victoria, Mo. Car-coupling	June 15, 1875	624	202	7	1034
167, 123	Rogers, John K., Brookline, Mass. Printing-type	Aug. 3, 1875	.....	.....	8	194
169, 194	Rogers, John S., Gloucester, Mass. Process of extracting gelatine from salted fish-skins	Aug. 24, 1875	920	.....	8	355
170, 116	Same..... Drying-apparatus	Oct. 26, 1875	851	278	8	708
166, 148	Rogers, Lewis H., South Avon, N. Y. Hinge	Nov. 16, 1875	782	249	8	852
163, 888	Rogers, Lonis P., Boston, Mass. Fire-proof floor	July 27, 1875	1010	311	8	184
170, 302	Rogers, Matthias, Phillipsport, N. Y. Wooden house	June 1, 1875	44	15	7	936
161, 280	Rogers, Robert, Mount Vernon, Ohio, assignor to Timothy Rogers. Iron fence	Nov. 23, 1875	977	{ 303 } { 306 }	8	866
164, 876	Rogers, Timothy. (See Rogers, Robert, assignor.)	.....	.....	.....	.....	.....
164, 876	Rogers Upright Piano Company. (See Rogers, Charles E., assignor.)	.....	.....	.....	.....	.....
164, 876	Rogers, Willard A., assignor to American Cable Screw Wire Company, Boston, Mass. Nail blank or strip for pegging-machines	Mar. 23, 1875	970	317	7	506
164, 876	Rogers, William, Leechburgh, assignor to self and Thomas J. Burchfield, Allegheny, Pa. Apparatus for supplying gas as a fuel to metallurgic furnaces	June 22, 1875	987	{ 318 } { 319 }	7	1090

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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170, 900	Rogers, William P., Akron, Ohio. Swing.	Dec. 7, 1875	215	74	8	970
169, 295	Rogerson, Samuel, assignor to Louis Dryloos, New York, N. Y. Embossing-machine	Oct. 26, 1875	947	307	8	721
8, 034	Rohrer, John B., assignor to Samuel Cooper, John Hall, and Joseph B. Cooper, Philadelphia, Pa. Lounge. (Case C. Design)	Feb. 9, 1875			7	923
8, 055	Same. (Case D. Design)	Feb. 9, 1875			7	223
	Rohrman, J. Hall, et al. (See Wright, Caleb, assignor.)					
	Rohrman, Joseph B., et al. (See Wright, Caleb, assignor.)					
169, 042	Roland, Henry W., London, Ohio. Machine for shrinking tires	Oct. 19, 1875	694	229	8	678
160, 236	Roland, Thomas R., Burlington, Iowa. Ironing-table.	Feb. 23, 1875	952	312	7	336
	Rolfé, William H. (See Wilson & Rolfé.)					
167, 198	Rolland, Nestor, and Jean F. Van Hoorde, Hensies, Belgium. Wheelbarrow	Aug. 31, 1875	1011	314	8	374
161, 061	Rollason, Alfred, and James Brown, Lowell, Mass. Shuttle for looms	Mar. 23, 1875	753	249	7	479
8, 567	Rollhaus, Philip, jr., Brooklyn, N. Y. Fire-place heater. (Design)	Aug. 17, 1875			8	281
166, 300	Same.	Aug. 3, 1875	103	33	8	214
162, 693	Rollings, John H., Brooklyn, N. Y. Piston-packing	Apr. 27, 1875	1044	333	7	732
8, 784	Romadka, Anthony V., Milwaukee, Wis. Metal sheet for covering trunks. (Design)	Nov. 9, 1875			8	777
169, 296	Same. Trunk	Oct. 26, 1875	948	307	8	721
163, 028	Romadka, Antony V., Milwaukee, Wis. Trunk-fastener	May 11, 1875	292	94	7	793
167, 034	Romadka, Antony V., assignor to Romadka Brothers, Milwaukee, Wis. Trunk	Aug. 24, 1875	826	257	8	342
	Romadka Brothers. (See Romadka, Antony V., assignor.)					
169, 923	Roman, Henry, Brompton, England, assignor to Wilberforce, Arthur C., Frederick C., and Theodore H. Bryant. Automaton box for matches, &c.	Nov. 16, 1875	612	190	8	829
	Ronan, Anson G. (See Bunnell & Ronan.)					
	Roney, James B. (See Teyman, Benjamin F., assignor.)					
159, 711	Rood, Samuel R., Montello, Wis. Adjustable holdback	Feb. 9, 1875	442	148	7	254
168, 418	Rooney, Jack, Fairfield, Vt. Butter-worker	Oct. 5, 1875	89	31	8	577
	Rooney, Patrick G. (See Beard, David P., assignor.)					
164, 040	Roos, August, New York, N. Y. Beer-cooler	June 1, 1875	174	62	7	955
	Roosevelt, Hilborne L. (See Leclanché, George L., assignor.)					
171, 428	Roosevelt, Lillian, Hempstead, Tex. Sewing-machine thread-guard	Dec. 21, 1875	752	247	8	1066
170, 117	Root, Augustine, Taunton, Mass. Sicve	Nov. 16, 1875	783	249	8	852
162, 952	Root, Dexter A., South Bay City, Mich. Combination-paddock	May 4, 1875	201	65	7	773
169, 847	Root, Gardner B., and William W. Robinson, Ripon, Wis. Mill-spindle	Nov. 9, 1875	530	166	8	110
163, 260	Root, John B., New York, N. Y. Apparatus for dissolving and crystallizing	May 11, 1875	503	164	7	820
171, 174	Same. Steam-engine	Dec. 14, 1875	493	163	8	1023
171, 175	Same. Condenser	Dec. 14, 1875	493	163	8	1023
165, 951	Root, Judson E., Westfield, N. Y. Folding table	July 27, 1875	820	251	8	157
166, 301	Root, Lawrence O., Minneapolis, Minn. Safety-runner for railway-cars	Aug. 3, 1875	106	33	8	214
171, 581	Same. Runner for railway-cars	Dec. 28, 1875	912	298	8	1096
				299		
6, 580	Root, S. Emerson, Bristol, Conn. Clock-dial. (Reissue)	Aug. 3, 1875	266	79	8	236
	Roper, Alfred W., et al. (See Andrews, Edwin F., assignor.)					
170, 493	Ropes, Arthur, Montpelier, Vt. Child's carriage	Nov. 30, 1875	1164	367	8	921
160, 353	Roucmore, Peter D., Panola County, Tex. Cultivator	Mar. 2, 1875	86	31	7	361
	Rorbach, John. (See Hall, Joseph, assignor.)					
159, 358	Rorick, John C., Wauson, Ohio. Butter-worker	Feb. 2, 1875	107	37	7	199
163, 610	Same. Butter-coloring compound	May 25, 1875	862		7	890
166, 813	Same. Apparatus for tempering butter	Aug. 17, 1875	610	189	8	303
169, 043	Rosback, Frederick P., Springfield, Mo. Grain-binder	Oct. 19, 1875	695	229	8	678
169, 297	Rosborg, Christian, and Anton Kawan, New York, N. Y. Wooden box	Oct. 26, 1875	949	307	8	721
170, 018	Rose, Benjamin, Cleveland, Ohio. Singeing-furnace	Nov. 16, 1875	691	217	8	840
	Rose, Benoni S. (See Rose, Cartwright & Rose.)					
174, 771	Rose, Carl, New York, N. Y. Hide-scouring machine	Dec. 7, 1875	108	34	8	964
160, 718	Rose, Charles P., Allentown, Pa. Curtain-fixture	Mar. 9, 1875	425	141	7	418
6, 212	Rose, Clemens B., Sunderland, assignor, by mesne assignments, to Miller's Falls Manufacturing Company, Miller's Falls, Mass. Bit-stock. (Reissue)	Jan. 5, 1875	196	66	7	36
161, 443	Rose, George P., and Abel Cartwright, Slocumville, and Benoni S. Rose, La Fayette, R. I. Let-off mechanism for looms	Mar. 30, 1875	1137	367	7	535
6, 473	Rose, Israel M., Brook Haven, assignor, by mesne assignments, to Joseph J. West, New York, N. Y. Embroidering attachment for sewing-machines. (Reissue)	June 1, 1875	218	76	7	960
166, 303	Rose, Israel M., Brook Haven, assignor to Joseph I. West, New York, N. Y. Feeding-device for sewing-machines	Aug. 3, 1875	106	33	8	214
170, 596	Rose, Reuben M., Williamsburgh, N. Y. Machine for embroidering fabrics	Nov. 30, 1875	1266	398	8	933
163, 331	Rose, Walter L., Wadesborough, N. C. Bale-tie	May 18, 1875	591	189	7	848
159, 221	Rosebrook, John M., assignor to Walter A. Wood Mowing and Reaping Machine Company, Hoosick Falls, N. Y. Means for connecting gear-wheels with their shafts for use in harvesting-machines	Jan. 26, 1875	848	277	7	163
165, 368	Same. Harvester	July 6, 1875	205	62	8	37
	Rosebrooks, John M. (See Wood, Bowhay & Rosebrooks.)					
	Rosenbaum, M., et al. (See Burrows, William T., assignor.)					
162, 953	Rosenbusch, Andrew, assignor of one-half interest to Theodore W. Kreitz, Quincy, Ill. Fire-alarm telegraph	May 4, 1875	202	66	7	774
168, 673	Rosenfeld, Louis, New York, N. Y. Inkstand-base	Oct. 11, 1875	349	114	8	622
164, 041	Rosenstein, Leo. (See Feder & Rosenstein.)					
	Rosenstjerna, Anders, assignor of one-fourth interest to Lauritz Foss, Chicago, Ill. Letter-box	June 1, 1875	175	62, 63	7	955
159, 969	Rosenthal, Gustav, Rochester, N. Y. Reflector	Feb. 16, 1875	698	232	7	293
159, 846	Rosenthal, Henry A., Brooklyn, N. Y. Pigeon-starter	Feb. 16, 1875	584	194	7	277
161, 158	Rosenthal, Isidore, New York, N. Y. Apparatus for stamping patterns	Mar. 23, 1875	851	278	7	490
170, 901	Rosenthal, Morris, Philadelphia, Pa. Cigar	Dec. 7, 1875	215	75	8	980
162, 499	Rosquist, George, New York, N. Y., assignor to Bullock Printing Press Company. Machine for wetting printing-paper	Apr. 27, 1875	872	279	7	710
164, 877	Ross, Abbott Q., Cincinnati, Ohio. Road-rammer	June 22, 1875	989	319	7	1090
164, 042	Ross, Ayles, Victor, Iowa. Harrow	June 1, 1875	176	63	7	955
161, 217	Ross, Charles E., Lincoln, Ill. Washing-machine	June 8, 1875	353	121	7	990
162, 421	Ross, George O., Marion, Ohio. Farm-gate	Apr. 20, 1875	776	252	7	689
161, 596	Same. Railway-rail chair	June 15, 1875	714	233	7	1047
161, 533	Ross, James M., assignor to Mary C. Ross, Morrisonville, Ill. Feed-regulator	Mar. 30, 1875	1244	400	7	550
161, 532	Ross, John T., Philadelphia, Pa. Trimming	Mar. 30, 1875	1244	400	7	549
6, 255	Ross, John W., assignor of one-half interest to Joseph W. Hunt, Delphos, Ohio. Water-wheel. (Reissue)	Feb. 9, 1875	477	160	7	250
	Ross, Joseph W. (See Adams, Samuel, assignor.)					
161, 444	Ross, Josiah, Buffalo, N. Y. Wood-planing machine	Mar. 30, 1875	1138	367	7	535
	Ross, Mary C. (See Ross, James M., assignor.)					
165, 258	Ross, Milton, San José, Cal. Vineyard-plow	July 6, 1875	107	32	8	23



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 298	Ross, William F., Davenport, Iowa. Heating-stove.....	Oct. 26, 1875	950	308	8	721
160, 282	Rossgren, Frank, Chicago, Ill. Vapor-burner for cooking-stoves.....	Mar. 2, 1875	23	9	7	352
159, 280	Rosser, Thomas L., Minneapolis, Minn. Canal-lock.....	Feb. 2, 1875	34	12	7	189
162, 500	Rosser, William H. (See Garth & Rosser.)					
166, 412	Rost, Julius, Allegheny, Pa. Wrench.....	Apr. 27, 1875	873	279	7	710
167, 692	Rote, John F., Reading, Pa. Egg-beater.....	Aug. 3, 1875	215	65	8	229
165, 510	Rote, R. O. (See Castle, William H., assignor.)					
167, 692	Roth, Charles F., and Elihn G. Barker, Winterset, Iowa. Rotary engine.....	Sept. 14, 1875	286	91	8	454
165, 510	Roth, Elias, New Oxford, Pa. Window-frame.....	July 13, 1875	377	112	8	68
166, 413	Reth, Gustav H. (See McNaughton, George, assignor.)					
8, 835	Roth, John, assignor to Stewart & Young, Duanebnon, Pa. Apparatus for fish-culture.....	Aug. 3, 1875	216	65	8	229
170, 303	Rothschild, Samuel, jr. (See Hagerty, Thomas, assignor.)					
164, 333	Rothschild, Victor H., New York, N. Y. Shirt-front..... (Design.)	Dec. 7, 1875			8	946
160, 237	Roudebush, George S. (See Jordan, William A., assignor.)					
170, 303	Rouillon, Octave A. A., Brooklyn, N. Y. Electric gas-lighter.....	Nov. 23, 1875	978	306	8	886
164, 333	Roullier, Charles M., Paris, France. Floor-mat.....	June 8, 1875	466	154	7	1004
160, 237	Rounds, George F., assignor of one-third interest to H. W. Brown, Benton Harbor, Mich. } Windmill.....	Feb. 23, 1875	952	{ 312 } { 313 }	{ 7 }	336
165, 952	Rounds, Richard A. (See Culham, Francis, assignor.)					
165, 953	Rounds, Thomas W., assignor of one-half interest to John B. Humphreys, Providence, R. I. Apparatus for the manufacture of bayonet-scarbards.....	July 27, 1875	821	252	8	157
160, 283	Same..... Bayonet-scarbard.....	July 27, 1875	822	252	8	157
161, 904	Rounds, William H., Brockton, assignor to Shoe Manufacturing Company, Boston, Mass. Machinery for trimming the heels of boots and shoes.....	Mar. 2, 1875	24	9, 10	7	352
169, 483	Rounselle, William, et al. (See Nott, Aaron B., assignor.)					
160, 303	Rouse, George L., and Marshall W. Stoddard, Cincinnati, Ohio. Hub for vehicle-wheels.....	Apr. 13, 1875	288	97	7	621
166, 557	Rouse, Wilford I. (See Conner & Rouse.)					
166, 558	Roush, David J., Syracuse, Ohio. Potato-digger.....	Nov. 2, 1875	145	47	8	755
160, 303	Roush, Francis M., Massillon, Ohio. Portable stirrer for cooking-vessels.....	Feb. 23, 1875	779	257	7	311
166, 557	Rousseau, David, assignor, by mesue assignments, to William F. Smith and Samuel Samuels, New York, N. Y. Electric railway-signal.....	Aug. 10, 1875	358	111	8	258
166, 558	Same..... Circuit-closer for railway-signals.....	Aug. 10, 1875	361	111	8	258
168, 185	Same..... Electric railway-signal.....	Aug. 10, 1875	363	111	8	258
159, 120	Same..... Electric circuit-breaking clock-work.....	Sept. 28, 1875	775	246	8	539
165, 760	Row, George W. E., Steele's Tavern, Va. Car-coupling.....	Jan. 26, 1875	757	249	7	150
167, 124	Row, John W., assignor of two-thirds interest to Edwin C. Nogel and Peter W. Himelreich. Cheese-cutter.....	July 20, 1875	615	189	8	118
161, 554	Rowbotham, John, assignor to William Rowbotham, Philadelphia, Pa. Kindling-wood bale.....	Aug. 24, 1875	921	287	8	355
164, 398	Rowe, Charles T., Brooklyn, N. Y. Clothes-frame.....	Mar. 30, 1875	1245	400	7	550
163, 889	Rowe, David, Louisiana, Mo. Safety switch-rod.....	June 15, 1875	544	178	7	1023
161, 555	Rowe, Ebenezer B. (See Dufour & Rowe.)					
164, 768	Rowe, Horace E., Brockville, Canada. Feather-renovator.....	June 1, 1875	45	15	7	936
165, 125	Rowe, John L., New York, N. Y. Truss.....	Mar. 30, 1875	1246	401	7	550
165, 125	Rowe, S. B., jr. (See Betty's, Freeman H., assignor.)					
170, 019	Rowe, William H., assignor of one-half interest to Quinton Corwine, Washington, D. C. Showering attachment to bath-tubs.....	June 23, 1875	879	287	7	1077
160, 546	Same..... Wood for vehicles.....	June 29, 1875	1222	393	7	1129
160, 547	Rowe, William S. (See Phinney, Smith H., assignor.)					
160, 547	Rowell & Morris. (See Rowell, Guilford D., assignor.)					
162, 578	Rowell, George W., Mount Upton, N. Y. Coupling.....	Nov. 16, 1875	691	217	8	840
8, 667	Rowell, Guilford D., assignor to Rowell & Morris, Appleton, Wis. Wheel for harvesters.....	Mar. 9, 1875	274	93	7	397
8, 668	Same..... Slip-teeth for seeders.....	Mar. 9, 1875	275	93	7	397
8, 808	Rowell, Samuel, Amesbury, Mass. Wagon-body..... (Case A. Design.)	Apr. 27, 1875	936	301	7	718
158, 651	Rowland, Charles, New York, N. Y. Fan..... (Case B. Design.)	Sept. 28, 1875			8	520
163, 020	Same..... Paper-weight..... (Design.)	Sept. 28, 1875			8	520
167, 411	Rowland, Charles, New York, N. Y., and Joseph G. Rowland, Quincy, Ill. Water-proof pad for copying-presses.....	Jan. 12, 1875	282	94	7	63
6, 298	Same..... Copying-press pad.....	May 11, 1875	293	95	7	793
6, 299	Rowland, Charles, New York, N. Y., assignor to Oseola C. Green, Washington, D. C. Napkin-holder.....	Sept. 7, 1875	30	9	8	410
165, 954	Rowland, Charles and Joseph G., Quincy, Ill., assignors, by mesne assignments, to Benjamin F. Sturtevant, Boston, Mass. Peg or sole-fastening..... (Reissue.)	Feb. 16, 1875	741	246	7	298
160, 617	Rowland, David, Pittsburgh, Pa. Reciprocating churn.....	Feb. 16, 1875	741	246	7	298
165, 618	Rowland, Fletcher S., Chaplin, Ky. Windlass.....	July 27, 1875	822	252	8	157
6, 234	Rowland, James D., assignor of one-half interest to Henry Hamley, Cleveland, Ohio. Firemen's extension-ladder.....	Mar. 9, 1875	335	113	7	406
160, 284	Rowland, James L., New York, N. Y. Manufacture of artificial stone..... (Reissue.)	July 13, 1875	477	145	8	83
167, 359	Same..... Window-sill.....	Jan. 12, 1875	405	136	7	80
162, 103	Rowland, Joseph G. (See Rowland, Charles and Joseph G.)	Mar. 2, 1875	25	10	7	352
6, 656	Same..... same..... (Reissue.)					
160, 937	Rowland, William S., Plumville, Pa. Harrow.....	Aug. 31, 1875	1149	361	8	394
165, 955	Rowley, Amos E., Corning, N. Y. Car-coupling.....	Apr. 13, 1875	455	151	7	643
169, 044	Rowley, Burdett L., New Britain, Conn. Bit for bridles..... (Reissue.)	Sept. 21, 1875	667	212	8	516
169, 044	Rowley, Edwin A., Williamsport, Pa. Machine for relishing tenons.....	Mar. 16, 1875	659	215	7	456
167, 570	Rowley, Edwin H. (See Curtis & Rowley.)					
160, 958	Rowley, Helen M., Van Wert, Ohio. Mask for medical purposes.....	July 27, 1875	823	253	8	157
160, 285	Rowley, Richard. (See Venner's & Rowley.)					
169, 044	Roxbury Carpet Company. (See Barrett, Joseph, assignor)..... (Design.)					
169, 044	Same..... (See Goetze, Heinrich F., assignor)..... (Design.)					
169, 044	Same..... (See Libert, Joseph C. G., assignor)..... (Design.)					
169, 044	Same..... (See Martin, Arthur, assignor)..... (Design.)					
169, 044	Same..... (See Stearns, Thomas J., assignor)..... (Design.)					
169, 044	Roy, John S. (See Smith & Roy.)					
169, 044	Roy, Joseph, Philadelphia, Pa. Horseshoe-nail machine..... (Reissue.)	Nov. 30, 1875	1327	419	8	942
169, 044	Roy, Joseph, Chicago, Ill. Horseshoe-nail machine.....	Oct. 19, 1875	696	230	8	678
169, 044	Roy, Joseph, Philadelphia, Pa. Machine for forging nails.....	Oct. 19, 1875	698	230	8	678
169, 044	Royer, Louis C., Royerton, Ind. Grain-separator.....	Sept. 7, 1875	167	53	8	430
169, 044	Royer, Reuben R., Ephrata, Pa. Water-wheel.....	Mar. 16, 1875	660	215	7	456
169, 044	Royer's Ford I. on Foundry. (See Reagan, William J., assignor.)					
169, 044	Royle, George, Buffalo, N. Y. Door-check.....	Mar. 2, 1875	26	10	7	352
169, 044	Roys, Franklin. (See Turnbull & Frost, assignors.)					

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	Rubber Step Manufacturing Company. (See Keene, George A., assignor).... (Reissuc.)					
	Rubber Tip Pencil Company. (See Blair, John B., assignor)..... (Reissuc.)					
161, 159	Rubens, Morris, New York, N. Y. Pocket-book fastening.....	Mar. 23, 1875	852	278	7	491
167, 410	Ruddick, William H., Boston, Mass. Apparatus for obtaining tar from sea-weed.....	Sept. 7, 1875	29	8	7	410
170, 902	Rude, George W. (See Rude, John R., Squire B., and George W.)					
	Rude, John R., Squire B., and George W., Liberty, Ind. Corn-drill.....	Dec. 7, 1875	216	75	7	9-0
	Rude, Squire B. (See Rude, John R., Squire B., and George W.)					
160, 618	Rude, Daniel, Circleville, Ohio. Clay-pulverizer.....	Mar. 9, 1875	336	143	7	406
165, 180	Rueane, Edward, Roanoke, Va. Railway car ventilator.....	July 6, 1875	37	11	7	13
161, 706	Ruff, Alexander D., Owingsville, Ky. Chuck for making swelled tenons.....	Apr. 6, 1875	98	34	7	58-3
	Ruger & Co., J. W. (See Ruger & Hill, assignors.)					
	Ruger, Augustus. (See Hill & Ruger.)					
	Ruger, Augustus, et al. (See Hill, George J., assignor.)					
	Ruger, Augustus. (See Ruger, James W. and Augustus.)					
	Ruger, James W. (See Hill & Ruger, assignors.)					
	Ruger, James W., et al. (See Hill, George J., assignor.)					
168, 531	Ruger, James W., Buffalo, N. Y. Cracker-machine.....	Oct. 5, 1875	192	63	8	591
163, 332	Ruger, James W., and George J. Hill, assignors to J. W. Ruger & Co., Buffalo, N. Y. Mechanism for cutting and sugaring crackers.....	May 18, 1875	591	189	7	848
165, 875	Ruger, James W. and Augustus, Buffalo, N. Y. Cracker-machine.....	July 20, 1875	732	234	8	133
	Rugg, Henry H. (See Fisk, Asa J., assignor.)					
140, 452	Rugg, Nathaniel, Richmond, Mich. Potato-digger.....	Nov. 30, 1875	1126	355	8	915
164, 104	Ruggles, George R. J., Milford, Mass. Shoemaker's knife.....	June 8, 1875	258	88	7	977
167, 545	Ruhl, Sol. Grand Junction, Iowa. Loom for weaving matting.....	Sept. 7, 1875	146	45	7	426
167, 125	Ruhl, Fred. A., Stockton, Cal. Litt-pump valve.....	Aug. 24, 1875	921	287	7	355
160, 719	Rukgabee, Charles B., and Horace Clarke, Mount Pleasant, Iowa. Fly-trap.....	Mar. 9, 1875	426	142	7	418
166, 414	Rulon, John H. (See Rulon, Thomas D., assignor.)					
	Rulon, Thomas D., assignor of one-half interest to John H. Rulon, Philadelphia, Pa. Car-axle-box bearing.....	Aug. 3, 1875	217	65	8	229
165, 511	Rumens, Charles, Indianapolis, Ind. Ironing-table.....	July 13, 1875	378	112	8	68
	Rumley, Charles. (See Reeves, George P., assignor.)					
170, 304	Rumley, Charles, Helena, Mont. Blow-pipe.....	Nov. 23, 1875	978	306	8	886
163, 695	Rummig, Johann A., New York, and Christoph J. Uderitz, Williamsburgh, N. Y. Fare-register.....	May 25, 1875	928	295	7	899
	Rumpus, Samuel. (See Wagner & Rumpus.)					
	Rumsey, Louis M., et al. (See May, John M., assignor)..... (Reissuc.)					
	Rumsey, Moses, et al. (See May, John M., assignor)..... (Reissuc.)					
168, 736	Rung, Henry, assignor of one-half interest to Robert Baumgarten, Chicago, Ill. Diamond saw for cutting stone.....	Oct. 11, 1875	419	146	8	636
	Runk, Charles M., et al. (See La Rue, Silas H., assignor.)					
	Runyan, William C. (See Arandall & Runyan.)					
161, 281	Rupert, John B., assignor of one-half interest to Columbus H. Allen, New Orleans, La. Rice-cleaning machine.....	Mar. 23, 1875	971	317	7	506
165, 369	Rupertus, Jacob, Philadelphia, Pa. Revolving fire-arm.....	July 6, 1875	209	63	8	57
169, 848	Same..... Same.....	Nov. 9, 1875	532	166	8	811
164, 261	Ruppenthal, Jacob, Saint Louis, Mo. Hose-coupling.....	May 11, 1875	505	164	7	820
166, 119	Rush, Alonso, and Fisher Yarbrough, Tyler, Tex. Farm-fence.....	July 27, 1875	1011	311	8	184
159, 281	Russ, Oscar F., Albany, N. Y. Door-latch.....	Feb. 2, 1875	34	13	7	189
167, 693	Russell, Albert, Newburyport, Mass. Capstan.....	Sept. 14, 1875	287	91	8	454
	Russell & Irwin Manufacturing Company. (See Lyon & Parker, assignors.)					
171, 048	Russell, Asa C., assignor to Parley A. Russell, Great Barrington, Mass., and Clinton H. Blake, New York, N. Y. Flock-washing machine.....	Dec. 14, 1875	366	122	8	007
159, 222	Russell, Charles, Appleton, Wis., and Charles W. Seamans, Aurora, said Russell assignor to John L. Hopkins, Oswego, Ill. Feather-renovator.....	Jan. 26, 1875	849	278	7	163
161, 556	Russell, Charles, assignor of one-half interest to Edwin Schofield, Worcester, Mass. Shutter-fastener.....	Mar. 30, 1875	1246	401	7	550
164, 661	Russell, Charles H., and Julius Sax, assignors to Bernhard Ahrens, London, England. Electrical billiard-register.....	June 22, 1875	785	257	7	064
	Russell Cutlery Company, John. (See March, Lucas J., assignor)..... (Design.)					
162, 954	Russell, Daniel N., New York, N. Y. Paper vessel.....	May 4, 1875	204	66	7	14
165, 181	Russell, Edmund, Brooklyn, N. Y. Radiator.....	July 6, 1875	38	11	7	774
166, 032	Same..... Gate-valve.....	July 27, 1875	894	276	8	168
168, 674	Same..... Radiator-tube.....	Oct. 11, 1875	349	114	7	622
165, 455	Russell, Edward, Davenport, Iowa. Tree-box.....	July 13, 1875	327	96	8	60
	Russell, Edward P. (See Curtis & Russell)..... (Reissuc.)					
162, 694	Russell, Edwin, New Haven, Conn. Extension-gasalier.....	Apr. 27, 1875	1045	333	7	732
167, 474	Russell, Eli W., Ashley, Mo. Sulky-plow.....	Sept. 7, 1875	81	25	8	418
	Russell, Ephraim. (See Willford, Joseph L., assignor.)					
	Russell, George W. (See Bradbury, Charles J., assignor.)					
168, 186	Russell, George W., Lawrence, Mass. Manufacture of pasteboard.....	Sept. 28, 1875	776	{ 246 247 }	8	539
168, 924	Russell, Henry R., Woodbury, N. J., assignor of one-half interest to Isaac S. Russell, New Market, Md. Parallel pliers.....	Oct. 19, 1875	588	194	8	664
	Russell, Isaac S. (See Russell, Henry R., assignor.)					
	Russell, Jacob. (See Wike, John, assignor.)					
166, 226	Russell, Jacob, New York, N. Y. Horseshoe.....	Aug. 3, 1875	38	12	8	264
166, 227	Same..... Pile for horseshoe-blank bars.....	Aug. 3, 1875	39	13	8	201
169, 120	Russell, John H., and George Birner, Milwaukee, Wis. Machine for bending scythe-snaths.....	Oct. 26, 1875	792	257	8	699
165, 761	Russell, Oscar, Sycamore, Ill. Drier for paint.....	July 20, 1875	615	.....	8	118
	Russell, Parley A., et al. (See Russell, Asa C., assignor.)					
166, 560	Russell, Perry, Jefferson, Ill. Hay-gatherer.....	Aug. 10, 1875	364	111	8	258
171, 176	Russell, Robert H., Newark, N. J. Mechanical tool.....	Dec. 14, 1875	494	163	7	023
164, 044	Russell, William, Cincinnati, Ohio. Die for creasing horseshoes.....	June 1, 1875	178	63	7	955
161, 282	Russell, William C., Philadelphia, Pa. Ice-pick.....	Mar. 23, 1875	971	317	7	566
	Russell, William G., executor. (See Whiting, William)..... (Reissuc.)					
	Russell, William W., et al. (See Dennisson, John N., assignor.)					
166, 303	Rust, Oscar, Macon City, Mo. Earth-auger.....	Aug. 3, 1875	107	34	8	214
169, 590	Ruth, Matthew H., Claiborne Parish, and William Crain, Farmersville, La. Earth-boring apparatus.....	Nov. 2, 1875	252	82	8	768
161, 160	Rutherford, John, San Francisco, Cal. Amalgamator.....	Mar. 23, 1875	851	278	7	491
	Rutherford, Robert W., trustee. (See Beatty, Joseph W., assignor.)					
	Same..... (See Gill, Joseph P., assignor.)					

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165, 259	Ruthven, James A. (See Adams, John P., assignor.)	July 6, 1875	107	32	8	23
170, 118	Ruttan, Henry J., Coburg, Canada. Heating-stove. Ryan, Agnes. (See Bonney, Lydia P., assignor.)	Nov. 16, 1875	784	249	8	853
160, 619	Ryan, George H., assignor to self and Job M. Leonard, Somerset, Mass. Nail-plate feeder	Mar. 9, 1875	337	113	7	406
158, 609	Ryan, John D., New York, N. Y. Pantaloon-stretcher	Jan. 12, 1875	243	89	7	58
160, 720	Ryan, Thomas. (See Richmond, Ryan & McGill.)	Mar. 9, 1875	427	142	7	418
159, 456	Ryau, William M., assignor of one-half interest to William M. Lipe and John B. Simpson, Macomb, Ill. Post-hole digger	Feb. 2, 1875	198	65	7	212
160, 960	Ryberg, Frederiek T., New York, N. Y. Bottling-machine	Mar. 16, 1875	661	216	7	457
164, 9 0	Rybeck, Sven, Red Wing, Minn. Mortising-machine	June 29, 1875	1065	343	7	1107
163, 732	Ryder, Andrew, Oakland, Cal. Train-telegraph	Nov. 9, 1875	411	130	8	796
169, 375	Ryder, Edward P., Brooklyn, N. Y., assignor to Samuel S. White, Philadelphia, Pa. Dental engine	Nov. 2, 1875	54	16	8	742
6, 259	Ryder, Henry, Somerville, assignor, by mesne assignments, to James J. Walworth, trustee, Newtown, Mass. Grate for furnaces (Reissue)	Jan. 26, 1875	884	287	7	168
167, 126	Ryder, Henry, Somerville, Mass. Grate-bar	Aug. 24, 1875	922	287	8	355
170, 453	Ryder, James F., Cleveland, Ohio. Camera-screen	Nov. 30, 1875	1127	355	8	915
165, 260	Ryder, Joshua H., Brockton, Mass. Machine for polishing the edges of boot and shoe heels	July 6, 1875	108	32	8	23
163, 533	Ryder, Wilson, Cattaraugus, N. Y. Butter-worker	May 18, 1875	776	246	7	871
169, 733	Ryer, John, executor. (See Hartley & Marshall, assignors)	Nov. 9, 1875	412	131	8	796
160, 959	Ryer, William H., Margarettsville, N. Y. Horse hay-rake	Mar. 16, 1875	661	216	7	457
165, 124	Rykert, Alvaro G., assignor to A. R. Miller, Attica, N. Y. Carriage-painter's case	June 29, 1875	1221	.....	7	1129
6, 349	Rykert, Alvaro G., Attica, N. Y. Tool-holding device	.....	.....	.....	.....	.....
171, 582	Ryneerson, John, Farmington, Ill, assignor to John H. Edward, Saint Paul, Minn. Harvester-rake	Mar. 23, 1875	1016	331	7	512
170, 494	Saatwber, Charles R., New York, N. Y. Loom for weaving fringe	Dec. 23, 1875	913	299	8	1096
171, 177	Sabin, Charles W., et al. (See Haycs, Cornelius E., assignor.)	Nov. 30, 1875	1165	.....	8	921
171, 332	Sacc, Frederic H. L. C., Neuchatel, Switzerland. Process of preserving eggs	Dec. 14, 1875	495	.....	8	1023
169, 591	Same..... Preserving hides	Dec. 23, 1875	867	.....	8	10-9
169, 592	Same..... Process of preserving butter	Nov. 2, 1875	254	.....	8	768
169, 849	Sacc, Freerick H. L. C., Neufchatel, Switzerland. Process for preserving fruit	Nov. 2, 1875	254	.....	8	768
162, 695	Same..... Preservation of meats	Nov. 9, 1875	533	.....	8	811
163, 696	Same..... Process of preserving meat	Apr. 27, 1875	1046	334	7	732
160, 843	Safely, John J., Ottumwa, Iowa. Method of elevating vessels for transferring grain	May 25, 1875	930	295	7	599
171, 245	Safford, James B., assignor of one-half interest to Thomas A. Jebb, Buffalo, N. Y. Toy	Dec. 21, 1875	560	182	7	443
168, 675	Safford, Mark, Melrose, assignor to self and Percival D. Richards, West Medford, Mass. Loom-shuttle	Oct. 11, 1875	588	193	8	1014
168, 344	Sage, De Witt C., Cromwell, Conn. Drain and sewer pipe	Oct. 11, 1875	350	114	8	622
160, 548	Sage, Nonton, Pekin, Ill. Wagon-wheel scraper	Oct. 5, 1875	23	9	8	568
160, 415	Sage, Philip, Dubuque, Iowa. Metallic packing for stuffing-boxes	Mar. 9, 1875	275	94	7	397
170, 495	Sager, Daniel, Belvidere, Ill. Butter-worker	Aug. 3, 1875	217	66	8	329
6, 265	Sager, Wellington, Colchester, Vt. Heating and ventilating railway-cars	Nov. 30, 1875	1165	{ 367 } { 368 }	8	921
6, 788	Saint, Thomas G., Sharpsburgh, Pa. Clothes-drier	Jan. 5, 1875	187	65	7	35
160, 549	Saladay, L. (See Gardner, Wilson, assignors.)	Dec. 7, 1875	256	86	8	984
162, 585	Saladee, Cyrus W., Pittsburg, assignor to Leander Dobbins, Erie, Pa. Torsional spring (Reissue)	Mar. 9, 1875	276	54	7	397
167, 940	Saladee, Cyrus W., Putnam, Ohio, assignor to Hotchkiss Sons, Bridgeport, Conn. Curry-comb (Reissue)	Oct. 11, 1875	269	87	8	609
170, 772	Saladee, Cyrus W., Pittsburg, Pa. Vehicle torsional spring	Sept. 21, 1875	519	166	8	496
166, 895	Salisbury, George P., New Haven, Conn. Roll for rolling metal	Dec. 7, 1875	109	34	8	965
158, 527	Salisbury, George P., and Charles S. Wells, New Haven, Conn. Device for necking cartridge-shells	Aug. 17, 1875	690	213	8	313
166, 228	Salisbury, George P., and Charles S. Wells, assignors to Winchester Repeating-Arms Company, New Haven, Conn. Tool for loading cartridge-shells	Jan. 5, 1875	155	52	7	31
169, 464	Salisbury, Leonard B., Mount Vernon, Ill., assignor of one-half interest to Edward F. Winslow, Saint Louis, Mo., and George S. Winslow, Mount Vernon, Ill. Steam-brake for locomotives	Aug. 3, 1875	39	13	8	294
165, 029	Salmon, Ira A., Boston, Mass. Automatic dental mallet	Nov. 2, 1875	147	47	8	755
167, 025	Salomon, Felix, New York, N. Y. Paper box	June 29, 1875	1136	367	7	1117
169, 924	Salter, James, Brooklyn, N. Y. Paddle-wheel	Nov. 16, 1875	826	257	8	342
165, 876	Salter, J. T., et al. (See Eichbaum, Frederick H., assignor.)	Nov. 16, 1875	614	190	8	829
170, 305	Salzmann, Christian H., assignor to self, Andrew Wickey, and Reuben Berner, Quincy, Ill. Pitman-box for mowing and reaping machines	July 20, 1875	733	224	8	134
6, 494	Same..... Grain-wheel arm for harvesters	Nov. 23, 1875	978	306	8	886
6, 495	Sammis, John B. (See Leverich, Gabriel, assignor.)	June 22, 1875	1008	326	7	1093
6, 608	Sample, Jacob R., Liberty, Miss. Plow	June 22, 1875	1010	326	7	1093
158, 983	Sampson, Edward C. (See Meyer, Charles T., and Victor E., assignors) (Design.)	Aug. 24, 1875	949	{ 266 } { 297 }	8	359
166, 814	Sampson, William H., Chicago, Ill. Water-pipe	Jan. 19, 1875	609	202	7	1-3
161, 161	Sampson, William S., assignor of one-half interest to Homer S. Beardsley, New York, N. Y. Lime kiln	Aug. 17, 1875	611	189	8	303
163, 427	Same..... same (Reissue)	.....	.....	.....	.....	.....
170, 020	Same..... same (Reissue)	.....	.....	.....	.....	.....
167, 127	Sampson, William S., assignor of three-fourths interest to Albert L. Murson, New York, N. Y., and Samuel Coit, Hartford, Conn. Compound iron beam	.....	.....	.....	.....	.....
159, 457	Samucl, Peter, New York, N. Y. Wrench	.....	.....	.....	.....	.....
159, 611	Samuels, Samuel, et al. (See Gillespie Richard S., assignor.)	.....	.....	.....	.....	.....
164, 878	Same..... (See Rousseau, David, assignor.)	.....	.....	.....	.....	.....
171, 486	Samuelson, Franz, et al. (See Macy, Egbert, assignor.)	.....	.....	.....	.....	.....
159, 458	Sanborn, Caleb L., and Henry M. Shaw, Boston, Mass. Sectional steam-boiler	Mar. 23, 1875	854	279	7	491
167, 127	Sanborn, Rodman W., Rochester, N. Y. Ice-plow	July 13, 1875	295	87	8	56
167, 127	Sandage, Joshua, Mohine, Ill. Bar for land-side blanks	Nov. 16, 1875	692	218	8	840
167, 127	Sandbach, Thomas, South Bend, Indiana. Clamp	Aug. 24, 1875	923	288	8	355
167, 127	Sanders, George N., New York, N. Y. Spike	Feb. 2, 1875	119	65	7	212
167, 127	Same..... same	Feb. 9, 1875	352	116	7	241
167, 127	Same..... same	June 22, 1875	991	319	7	1090
167, 127	Same..... same	Dec. 28, 1875	823	270	8	1084
167, 127	Same..... same	Feb. 2, 1875	199	66	7	212
167, 127	Sanders, Jerome, Martinsville, Ill. Straw-stacker	.....	.....	.....	.....	.....

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. pr.	Vol.	Page.
165, 030	Sanders, John, Gilead, Mich. Windmill.	June 29, 1875	1137	367	7	1117
164, 771	Sanders, John E., Indianapolis, Ind. Scaffold.	June 22, 1875	882	288	7	1078
	Sanders, Louis. (See Whitney, Paul, assignor.)					
	Sanders, Thomas, et al. (See Bell, Alexander G., assignor.)					
164, 597	Sanders, William B., Lock Haven, Pa. Polishing or sad iron.	June 15, 1875	715	233	7	1047
165, 619	Sanderson, Francesco L., Wilmington, Ohio. Hinge.	July 13, 1875	478	146	8	83
162, 579	Sanderson, Solomon, Huddersfield, England. Alarm and fire-extinguisher.	Apr. 27, 1875	937	301	7	718
	Sanderson, Thomas. (See Hurd, Seth T., assignor.)					
166, 304	Sandford, Frank V., Chelsea, Mass. Electric gas-lighting apparatus.	Aug. 3, 1875	108	34	8	215
164, 770	Sandgren, John J., Ironton, Wis. Bob-sled.	June 22, 1875	881	287	7	1078
158, 391	Sandholzer, Adrian, H., Needham, Mass. Glue-drier.	Jan. 5, 1875	34	12	7	13
159, 223	Sands, Charles J., Brooklyn, N. Y. Dredging-bucket.	Jan. 26, 1875	850	278	7	163
167, 790	Same..... Flower-pot.	Sept. 14, 1875	379	121	8	467
169, 299	Sands, Charles J., assignor of one-half interest to John B. Wood, Brooklyn, N. Y. Dredging-bucket.	Oct. 26, 1875	951	308	8	721
161, 445	Sandusky, Isaac B., Lexington, Ky. Grain-drill teeth.	Mar. 30, 1875	1139	367	7	535
158, 984	Sanford, David, Ashton, Ill. Fire-escape ladder.	Jan. 19, 1875	611	203	7	123
164, 769	Same..... same.	June 22, 1875	880	287	7	1077
168, 345	Sanford, Edwin L., Pavilion, assignor of one-half interest to Sanford P. Moon, Middlebury, N. Y. Car-coupling.	Oct. 5, 1875	23	9	8	568
164, 105	Sanford, Joseph H., assignor to self and Charles F. Sylvester, Breckton, Mass. Key-ring.	June 8, 1875	258	88	7	977
165, 877	Sanford, Oliver P., assignor to self and Jacob Henry, Dadeville, Ala. Plow.	July 20, 1875	734	224	8	134
159, 282	Sanford, Stephen, Amsterdam, N. Y. Loom for weaving pile fabrics.	Feb. 2, 1875	36	13	7	189
159, 247	Same..... Loom for weaving piled fabrics.	Feb. 16, 1875	585	194	7	278
165, 438	Same..... Loom for weaving pile fabrics.	July 13, 1875	296	88	8	56
167, 623	Sangster, James, Buffalo, N. Y. Fare-register.	Sept. 14, 1875	228	71	8	445
163, 108	Sappelt, Robert, Springfield, N. Y. Seed and gnano distributor.	May 11, 1875	363	118	7	802
171, 178	Sargo, Albert E., Washington, D. C., assignor of one-half interest to John A. Ives & Bro., Baltimore, Md. Sheet-delivery apparatus for printing-presses.	Dec. 14, 1875	496	164	8	1023
164, 772	Sargeant, Abraham V., Newark, N. J. Harness-saddle.	June 22, 1875	882	288	7	1078
170, 021	Sargeant, Samuel S., Newark, N. J. Harness-rossette.	Nov. 16, 1875	693	218	8	840
167, 791	Sargent, Charles, Sparland, Ill. Sliding-gage.	Sept. 14, 1875	379	121	8	467
	Sargent, Charles G. (See Calley, Freeman A., assignor.)					
	Sargent, George F. (See Lambie & Sargent.)					
	Sargent, George M. (See Berry, Luther D., assignor.)					
	Sargent, James. (See Holley, Stephen W., assignor.) (Reissue.)					
161, 283	Sargent, James, Rochester, N. Y. Bolt for safe, vault, and other doors.	Mar. 23, 1875	972	318	7	506
165, 370	Same..... Lock for safe and vault doors.	July 6, 1875	210	63	8	37
165, 878	Same..... Time-lock.	July 20, 1875	735	225	8	134
165, 956	Sarven, James D., Columbia, Tenn. Vehicle-spring.	July 27, 1875	823	283	8	158
161, 062	Satterlee, George B., New York, N. Y. Water-evaporating refrigerator.	Mar. 23, 1875	756	249	7	479
169, 300	Satterlee, Lo Roy, Rochester, N. Y. Ventilating buildings.	Oct. 26, 1875	952	308	8	721
159, 459	Sattler, David, Napoleon, Ohio. Farm-fence.	Feb. 2, 1875	200	66	7	212
161, 557	Same..... Saw-gunner.	Mar. 30, 1875	1247	401	7	550
170, 119	Saunders, Andrew, assignor to D. Saunders' Sons, Youkers, N. Y. Threading-die stocks.	Nov. 16, 1875	786	249	8	853
	Saunders, Charles. (See Walters & Saunders.)					
160, 792	Saunders, Edward M., Saugus, assignor to self and Edward K. Wilson, Newton, Mass. Wagon-cover.	Mar. 16, 1875	521	168	7	437
171, 049	Saunders, Joseph, Brooklyn, N. Y. Retort for concentrating sulphuric acid.	Dec. 14, 1875	367	122	8	1007
	Saunders' Sons, D. (See Saunders, Andrew, assignor.)					
160, 238	Sauter, Edward, Birmingham, Conn. Device for turning machine-needle blanks.	Feb. 23, 1875	953	313	7	336
163, 811	Savage, David, and Hiram Coleman, Orangeville, Pa. Machine for dressing millstones.	May 25, 1875	1029	326	7	912
171, 321	Savage, Elliot, West Meriden, Conn. Metallurgical furnace.	Dec. 21, 1875	654	215	8	1033
	Savage, George. (See Vanorder & Savage.)					
162, 104	Savery, Charles C., assignor to Purves & Savery, Philadelphia, Pa. Fluting-iron.	Apr. 13, 1875	456	152	7	643
161, 707	Savery, Thomas H., Wilmington, Del. Condenser-ferule.	Apr. 6, 1875	98	35	7	583
171, 429	Savin, John M., Baltimore, Md. Ticket.	Dec. 21, 1875	753	248	8	1066
171, 430	Savoral, Edward, New York, N. Y. Toy-pistol, &c.	Dec. 21, 1875	753	248	8	1066
163, 948	Sawin, James J., Natick, Mass. Manufacture of heels and soles of boots and shoes.	June 1, 1875	92	31	7	943
168, 585	Sawkins, James N., Philadelphia, Pa. Car-brake.	Oct. 11, 1875	267	87, 88	8	609
169, 593	Same..... same.	Nov. 2, 1875	255	82	8	768
166, 940	Sawyer, Charles E., Boston, Mass. Label and tag machine.	Aug. 24, 1875	744	230	8	330
	Sawyer, Frederick P. (See Parks, Dana, assignor.)					
168, 109	Sawyer, George A., Augusta, Me. Lubricating device.	Sept. 28, 1875	703	222	8	529
163, 414	Sawyer, James, Freeburgh, Ill. Miner's lamp.	May 18, 1875	602	211	7	857
	Sawyer, James C. (See Langley, James M., assignor.)					
	Sawyer, Joseph G., et al. (See Pickel, Russel, assignor.)					
165, 689	Sawyer, Joshua, assignor of one-half interest to Edmund W. Cochrane, Northfield, Vt. Wagon-jack.	July 20, 1875	555	169	8	109
158, 742	Sawyer, Josiah, Tremont, Ill. Hand potato-planter.	Jan. 12, 1875	358	122	7	74
163, 812	Sawyer, Leonard, Amesbury, Mass. Vehicle-top.	May 25, 1875	1029	326	7	913
	Sawyer, Lodowick L. (See Buckley & Sawyer.)					
165, 762	Sawyer, Oliver, Winchendon, Mass. Sandpapering-machine.	July 20, 1875	616	190	8	118
	Sawyer Spindle Company. (See Wright, Daniel, assignor.)					
164, 598	Sawyer, Willard W., Springfield, Mass., assignor to self and George M. Stebbins. Fire-alarm register.	June 15, 1875	715	233	7	1047
158, 442	Sawyer, William E., Washington, D. C. Automatic or chemical telegraphy.	Jan. 5, 1875	75	27	7	20
159, 460	Same..... Automatic and autographic telegraph and circuit.	Feb. 2, 1875	201	66, 67	7	212
165, 020	Sawyer, William E., Washington, D. C. Automatic electric telegraph.	July 13, 1875	479	146	8	83
166, 305	Same..... Telegraphic circuit.	Aug. 3, 1875	109	34	8	215
171, 050	Sawyer, William E., New York, N. Y. Copying-telegraph.	Dec. 14, 1875	368	122	8	1007
171, 051	Same..... Automatic telegraph.	Dec. 14, 1875	369	123	8	1007
159, 771	Sawyer, William H., New York, N. Y. Telegraphic-signal box.	Feb. 16, 1875	517	172	7	269
171, 322	Sawyer, William K., Three Oaks, Mich. Device for fastening the legs of tables.	Dec. 21, 1875	655	215	8	1052
	Sax, Julius. (See Russell & Sax.)					
	Saxby, Stephen D. (See Waddle, Uriah B., assignor.)					
169, 485	Saxton, Oliver H., Washington Court-House, Ohio. Combined cane and whip.	Nov. 2, 1875	147	48	8	755
168, 053	Sayles, John P., Stockbridge, Mass. Settee.	S. pt. 21, 1875	627	201	8	512
171, 431	Sayre, Benjamin C., Montrose, Pa. Hot-air furnace.	Dec. 21, 1875	755	248	8	1066
162, 312	Sayre, Charles H., Utica, assignor to self and Albert B. Parker, New York, N. Y. Shovel. Scaife & Sons, William B. (See Scaife, William B. and Oliver P., assignors.)	Apr. 20, 1875	668	218	7	676
	Scaife, Oliver P. (See Scaife, William B. and Oliver P.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. sr.	Vol.	Page.
160, 550	Scaife, Reginald, London, Great Britain. Apparatus for extracting the oleaginous matter from textile material.	Mar. 9, 1875	277	94	7	397
6, 391	Scaife, William B., Pittsburgh, Pa. Metallic vessel. (Reissue)	Apr. 20, 1875	818	264	7	695
164, 399	Same. Same. (Reissue)	Apr. 20, 1875	819	265	7	695
167, 412	Scaife, William B. and Oliver P., assignors to William B. Scaife & Sons, Allegheny, Pa. Machine for corrugating sheet metal.	June 15, 1875	544	178	7	1023
164, 218	Scaife, William B. and Oliver P., Allegheny, Pa. Machine for corrugating sheet-metal.	Sept. 7, 1875	30	9	8	410
162, 696	Scanlan, Thomas, et al. (See Crockett, Samuel J., assignor.)					
168, 676	Scannell, John, Monroe, Wis. Wagon-box strap.	June 8, 1875	354	121	7	990
162, 770	Scauthin, Thomas, Evansville, Ind. Evaporator for saccharino liquids.	Apr. 27, 1875	1049	334	7	732
163, 890	Same. Safety oil-reservoir.	Oct. 11, 1875	351	115	8	622
159, 772	Scarritt, Josiah A., Columbus, Ohio. Music-teaching apparatus.	May 4, 1875	33	11	7	751
161, 355	Scattergood, David, Beverly, N. J. Steering-gear for vessels.	June 1, 1875	46	15	7	937
166, 896	Schade, John, Stamford, Conn. Padlock, &c.	Feb. 16, 1875	519	173	7	269
8, 279	Same. Fastening for bell-pulls, &c.	Mar. 30, 1875	1054	343	7	525
167, 941	Schadewald, Henry, Philadelphia, Pa. Fabric for coverlets.	Aug. 17, 1875	691	214	8	314
171, 487	Schaefer, Louis, Cleveland, Ohio. Hitching-post. (Design.)	Apr. 20, 1875			7	651
159, 283	Schaefer, Levi, assignor of one-half interest to Theophilus Wagner, Philadelphia, Pa. Roundabout.	Sept. 21, 1875	520	166	8	496
163, 268	Schaefer, Levi, Philadelphia, Pa. Combined implement.	Dec. 28, 1875	824	270	8	1084
161, 708	Schaffner, George, Troy, N. Y. Attaching dash-boards.	Feb. 2, 1875	37	13	7	190
169, 734	Same. Carriage-door.	May 12, 1875	511	166	7	821
163, 813	Schaffmans, John, New York, N. Y. Mash-machine for brewers.	Apr. 6, 1875	99	35	7	583
162, 580	Schalck, George, Pottsville, Pa. Wad for rifled guns.	Nov. 9, 1875	413	131	8	796
163, 333	Schall, Michael P. (See Frost, David, assignor.)					
158, 743	Schance, Ephraim L., Pleasant Mount, Mo. Apple-parer.	May 25, 1875	1030	376	7	913
170, 597	Schandevyl, Harriet A., East Saugus, Mass. Corset.	Apr. 27, 1875	937	301	7	718
167, 413	Schantl, Lewis, Saint Louis, Mo. Coke-oven.	May 18, 1875	592	190	7	848
167, 413	Scharf, Samuel R., Jersey City, N. J. Machine for cleaning privy-vaults.	Jan. 12, 1875	359	122	7	74
167, 413	Schartan, Eibert O., and John H. Gardner, New Orleans, La. Bale-tie.	Nov. 30, 1875	1207	399	8	934
167, 413	Schaschue, Charles, Rondout, N. Y. Machine for hulling grain.	Feb. 2, 1875	208	67	7	213
170, 773	Schater, Joseph, Syracuse, N. Y. Ice-cutting machine.	Sept. 7, 1875	31	9	8	410
166, 897	Schauble, Philipp, and Louis Dohn, Elizabeth, N. J. Shaving-cup.	Dec. 7, 1875	110	34	8	565
164, 219	Schedler, Robert W. (See Mussgiller & Schedler.)					
164, 219	Scheeder, Jasper, et al. (See Weinyss, Alexander, assignor.) (Design.)					
168, 925	Scheermesser, Christian H., assignor of one-half interest to James H. Percy, Cumberland, Md. Stone-crushing machine.	Aug. 17, 1875	692	214	8	314
162, 313	Scheidler, Reinhard, and John H. McNamar, Newark, Ohio. Throttle-valve.	Aug. 3, 1875	354	121	7	990
162, 787	Schellingner, Leopold, Mishawaka, Ind. Straw-cutter.	June 8, 1875	112	35	8	215
168, 925	Schellkopf, John, Tidionte, Pa. Journal-box.	Oct. 11, 1875	450	147	8	636
166, 417	Same. Bull-wheel for oil-wells.	Oct. 19, 1875	589	194	8	664
165, 261	Schemerhorn, John P. (See Bowers, Marcus M., assignor.)					
161, 063	Schenck, George W., assignor to Chauncey E. Brandon, Geneva Lake, Wis. Wheel-cultivator.	Aug. 3, 1875	220	66	8	237
162, 313	Scheuck, Martin G., Marlborough, N. J. Tire-upsetting machine.	July 6, 1875	109	32	8	24
162, 313	Schenck, Unico H. W., Worcester, Mass. Folding stool, &c.	Mar. 23, 1875	757	249	7	479
163, 334	Scherb, Francis. (See Doland & Scherb.)					
168, 187	Scherb, Francis, and Frank F. Doland, Sacramento, Cal. Carriage.	Apr. 20, 1875	668	218	7	677
165, 512	Scherer, Christian. (See Spars, Emanuel, assignor.)					
161, 284	Schermerhorn, Charles, assignor to self and John F. Cleveland, New York, N. Y. Towel-stand.	May 18, 1875	593	190	7	848
167, 694	Schermerhorn, George W., East Livingston, Me. Paint-brush handle.	Sept. 28, 1875	777	247	8	539
165, 529	Scherr, Henry F., Saint Louis, Mo. Filter.	July 13, 1875	378	112	8	68
162, 105	Scheumack, Stephen S., Victoria, Tex. Gang-plow.	Mar. 23, 1875	973	318	7	506
166, 898	Schick, William H., et al. (See Weinyss, Alexander, assignor.) (Design.)					
163, 813	Schifferly, Conrad, North Manchester, Ind. Clothes-drier.	Sept. 14, 1875	288	91	8	454
162, 105	Schilling, John J., New York, N. Y. Concrete pavement. (Disclaimer filed.)	Mar. 1, 1875			7	387
162, 105	Schindler, Siegfried S., West Meriden, Conn. Piano-stool.	Apr. 13, 1875	457	152	7	643
163, 735	Schirek, Alexander, Rochester, N. Y. Lubricating-axle for vehicles.	Aug. 17, 1875	692	214	8	314
8, 283	Schirmer, Herman, Wheeling, W. Va. Inkstand.	Nov. 9, 1875	414	131	8	796
166, 306	Schlank, Abraham, New York, N. Y. Vase. (Design.)	June 8, 1875			8	568
162, 194	Schlarb um, Hermann, Clifton, N. Y., assignor to Goodyear's India Rubber Glove Manufacturing Company. Rubber-coated cord and cordage.	Aug. 3, 1875	112	34	8	215
162, 194	Schleeter, Fredrick. (See Niernann & Schleeter.)					
162, 194	Schlonker, Erhard, assignor of one-half interest to Rufus L. and Gibson F. Howard, Buffalo, N. Y. Bolt-threading machine.	Apr. 20, 1875	559	183 184	7	663
162, 195	Same. Safety-guard for hatchways.	Apr. 20, 1875	561	184	7	663
166, 722	Same. Internal gearing of elevators.	Aug. 17, 1875	530	162	8	291
166, 730	Same. Hoisting-machine or elevator.	Aug. 17, 1875	537	165	8	292
162, 771	Schlich, Friedrich, and John Koster, New York, N. Y. Bottle-washing apparatus.	May 4, 1875	34	11	7	751
171, 432	Schmackers, Anton, Cincinnati, Ohio. Velocipede.	Dec. 21, 1875	756	248	8	1066
161, 558	Schmandt, Charles, assignor of one-half interest to Charles Nittendorff, Baltimore, Md. Boiler-tube cleaner. (Reissue)	June 8, 1875	499	164	7	1009
167, 695	Schmandt, Charles, Baltimore, Md. Boiler-tube cleaner.	Mar. 30, 1875	1248	401	7	350
171, 323	Schmelzer, John, Cincinnati, Ohio. Refrigerator.	Sept. 14, 1875	289	91	8	454
171, 533	Schmemann, Friedrich, Philadelphia, Pa. Iron truss-bridge.	Dec. 21, 1875	656	216	8	1052
163, 879	Schmetzer, Louis, Rothenburg-on-the-Tauber, Germany. Toy building-block.	Dec. 28, 1875	867	284	8	89
162, 697	Schmid, Albert, Zurich, Switzerland. Hydraulic motor.	July 20, 1875	737	225	8	131
161, 558	Schmid, Frank A. (See Fuchslocher & Schmid.)					
162, 697	Schmid, Lorenz. (See Rees & Schmid.)					
171, 583	Schmidt, Albert E., Hamburg, assignor to Hamburg Sewing Machine Manufacturing Company, Berlin, Germany. Sewing-machine.	Apr. 27, 1875	1050	325	7	732
163, 262	Schmidt, Albert, Brooklyn, N. Y. Clock striking-mechanism.	Dec. 28, 1875	914	299	8	1066
164, 694	Schmidt, Albert E., and Gustav J. M. Radbruch, assignors to Hamburg American Sewing Machine Company, Hamburg, Germany. Process of decorating tin-plate.	May 11, 1875	505	164	7	82
159, 224	Schmidt, Augustus T., Pittsburgh, Pa. Refining oils.	June 22, 1875	815		7	1069
163, 788	Schmidt, Ernst, New York, N. Y. Fan.	Jan. 26, 1875	851	278	7	163
162, 314	Schmidt, Friedrich. (See Rochevot & Schmidt.)					
163, 586	Schmidt, Friedrich E., Hoboken, N. J. Aerial vessel.	Oct. 11, 1875	450	147	8	636
162, 196	Schmidt, Lewis F. C., Pittsburgh, Ill. Bottle.	Apr. 20, 1875	669	218	7	677
163, 926	Schmidt, Louis C. A., Tiffin, Ohio. Running-gear.	Oct. 11, 1875	270	88	8	669
163, 926	Schmidt, Rudolph, Youkers, N. Y. Steam-engine valve.	Apr. 20, 1875	561	184	7	661
163, 926	Schmidt, Valentine, San Francisco, Cal. Vermin-exterminator.	Oct. 19, 1875	589		8	664
163, 415	Schmieders, Henry. (See Wisser & Schmieders.)					
163, 415	Schmitt, John, Williamsburgh, N. Y. Car and carriage heater.	May 18, 1875	662	212	7	857

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. gr.	Vol.	Page.
167, 571	Schmitz, Eloy N., Paris, France. Grate-bar .....	Sept. 7, 1875	169	53	8	430
158, 528	Schmitz, John P., San Francisco, Cal. Stench-trap .....	Jan. 5, 1875	156	53	7	31
160, 472	Same. Preserving apparatus .....	Mar. 2, 1875	192	66	7	376
169, 046	Schmitz, Theodore, New York, N. Y. Tin vessel .....	Oct. 19, 1875	699	230	8	679
	Schmoel, Charles. (See Schmoele, William F. and Henry, assignors.)					
	Schmoele, Henry, jr. (See Schmoele, William F. and Henry, jr.)					
170, 402	Schmoele, William F. and Henry, jr., assignors of one-third interest to Charles Schmoele, Philadelphia, Pa. Electric music-sheet .....	Nov. 23, 1875	1067	336	8	899
165, 371	Schmolz, William, San Francisco, Cal. Construction of dams .....	July 6, 1875	211	63	8	37
165, 763	Schnebl, William, Hackensack, N. J. Grain tally .....	July 20, 1875	617	190	8	118
165, 031	Schneeloch, Otto, Williamsburgh, N. Y. Breech-loading fire-arm .....	June 29, 1875	1138	367	7	1118
	Schneider, Bennett B. (See Carter, John W., assignor.)					
	Same. (See Stobwasser, Gustav, assignor.)					
	Schneider, Bennett B., New York, N. Y. Lamp .....	(Reissue) Mar. 30, 1875	1282	412	7	555
6, 355	Same .....	Aug. 24, 1875	924	288	8	355
167, 128	Same .....	Sept. 14, 1875	380	122	8	467
167, 792	Same .....	Oct. 26, 1875	954	309	8	721
169, 301	Schneider, Charles, Newark, N. J. Fluting-machine .....	June 29, 1875	1066	343	7	1108
164, 941	Schneider, Christian G., Washington, D. C. Catch for cupboards, &c .....	July 20, 1875	732	225	8	134
165, 880	Schneider, Conrad, assignor of one-half interest to John F. Spaulding, Charles City, Iowa. Shingle-gage .....	July 13, 1875	298	88	8	56
165, 429	Schneider, Ernest H. F., Lawrence, Kans. Washing-machine .....					
	Schneider, Hermann J. (See Hill & Schneider.)					
162, 698	Schneider, John, and Leonard Witting, assignors to Vincent Grottenhalen, Philadelphia, Pa. Machine for shaping tobacco-pipe bowl .....	Apr. 27, 1875	1053	335	7	732
152, 744	Schneider, John J., Taylor County, Iowa. Device for attaching presser-feet to their bars .....	Jan. 12, 1875	360	123	7	75
161, 446	Schneider, John J., and Alexander S. Meek, Bedford, Iowa. Horse-collar and lame .....	Mar. 30, 1875	1140	367	7	536
168, 056	Same. Harness-cockeye .....	Sept. 21, 1875	628	201	8	512
161, 220	Schneider, Louis, Philadelphia, Pa. Umbrella-handle .....	June 8, 1875	355	122	7	990
170, 620	Schnell, Edward H., South Norwalk, Conn. Recording and signal fare-box .....	Nov. 16, 1875	693	218	8	840
	Schnoering, John. (See Sprigade & Schnoering.)					
158, 529	Schnoor, Charles, Davenport, Iowa. Horseshoeing apparatus .....	Jan. 5, 1875	157	53	7	31
	Schock, James J. (See Kellogg & Schock.)					
	Schoen, Ferdinand. (See Murgatroyd, Thomas, assignor.)					
170, 403	Schoen, John, Chicago, Ill. Sofa-bedstead .....	Nov. 23, 1875	1068	336	8	899
166, 815	Schoenlein, Charles, Brooklyn, N. Y. Hat and coat hook .....	Aug. 17, 1875	612	189	8	303
165, 372	Schoenberg, Emanuel, Baltimore, Md. Carbureting-machine .....	July 6, 1875	212	63	8	37
	Schoenberger & Co. (See Young, William D., assignor.)					
163, 335	Schoenhof, Jacob, New York, N. Y. Process of ornamenting skirts .....	May 18, 1875	594	190	7	848
166, 635	Schoenlut, Albert, Philadelphia, Pa. Reed-organ attachment .....	Aug. 10, 1875	431	133	8	268
161, 905	Schoeninger, Adolph, Chicago, Ill. Child's rocker .....	Apr. 13, 1875	289	97	7	621
169, 047	Schofield, Christopher J., Clayton, Great Britain. Puddling-furnace .....	Oct. 19, 1875	700	231	8	679
	Schofield, Edwin. (See Russell, Charles, assignor.)					
6, 260	Schofield, Edwin, Worcester, Mass. Combined inhaler and nasal douche .....	(Reissue) Jan. 26, 1875	885	287	7	168
6, 268	Schofield, John S., Macon, Ga., assignor of one-half interest to Joshua R. Schofield. Horse-power .....	(Reissue) Feb. 2, 1875	240	78	7	218
163, 534	Schofield, John S., Macon, Ga. Horse-power .....	May 18, 1875	776	246	7	872
	Schofield, Joshua R. (See Schofield, John S., assignor.)					
	Schofield, Levi T., Cleveland, Ohio. Fire-proof floor and ceiling .....	(Reissue) Mar. 30, 1875	1055	313	7	525
161, 356	Same .....	Mar. 30, 1875	1056	344	7	525
161, 357	Same .....	May 11, 1875	506	164	7	820
163, 263	Schofield, Peter, Philadelphia, Pa. Faucet .....	Mar. 16, 1875	662	213	7	457
160, 961	Scholes, James P., Brooklyn, N. Y. Barrel-stove .....					
	Scholfield, Socrates, et al. (See Card, Edward, assignor.)					
160, 721	Scholfield, Socrates, Providence, R. I. Pneumatic paper-feeder .....	Mar. 9, 1875	428	{ 142 143 }	{ 7 7 }	419
164, 488	Scholfield, Socrates, Providence, R. I., and Charles E. Baker, Mont Clair, N. J. Paper-feeding machine .....	June 15, 1875	625	202	7	1034
171, 534	Same. Registering apparatus for printing-presses .....	Dec. 28, 1875	868	284	8	1090
167, 696	Scholz, William. (See Johnson, Charles, assignor.)					
	Schomeyer, Friedrich E., assignor of one-half interest to G. B. Johnson, Cleveland, Ohio. Egg-beater .....	Sept. 14, 1875	290	92	8	454
	School, Charles E. (See Ferris & School.)					
170, 023	Schoonmaker, John, New York, N. Y. Horse-hitching device .....	Nov. 10, 1875	694	218	8	841
167, 026	Schoonover, James S., assignor of two-thirds interest to C. G. Maynard and S. H. Allen, Corry, Pa. Machine for drilling metal .....	Aug. 24, 1875	827	258	8	342
	Schottler, Christoph. (See Guemier & Schottler.)					
170, 688	Schou, Matthias, Frecheld, N. J. Tire-upsetter .....	Dec. 7, 1875	32	10	8	955
162, 197	Schow, Gilbert C., Chicago, Ill. Car-coupling .....	Apr. 20, 1875	562	185	7	663
166, 636	Schrader, Ander, Walla-Walla, Wash. Cultivator .....	Aug. 10, 1875	432	133	8	268
8, 324	Schreiner, John H., Philadelphia, Pa. Medal .....	(Design) May 11, 1875				783
8, 365	Same .....	(Design) June 1, 1875				926
164, 879	Schrink, John, Toledo, Ohio. Bottle-stopper or cork for bottles .....	June 22, 1875	991	320	7	1090
166, 899	Schrock, Andrew, assignor of one-half interest to Killinger & Co., Massillon, Ohio. Car-wheel .....	Aug. 17, 1875	693	214	8	314
163, 109	Schroder, Anson A., Warren, Ill. Ventilating-damper .....	May 11, 1875	364	118	7	862
	Schroeder, Nicholas. (See Duffy & Schroeder.)					
	Schroeder, Nicholas. (See Duffy, James F., assignor.)					
164, 559	Schroeder, Ferdinand A., Jersey City Heights, N. J. Clamp for candle-holders .....	June 15, 1875	718	233	7	1047
165, 881	Schroeder, Frederick W., assignor to self and George W. Gale, Baltimore, Md. Steerable air-ship .....	July 20, 1875	738	226	8	134
170, 306	Schroedfel, John, jr., Allegheny, Pa., assignor to O. D. Lewis and W. A. Conklin. Grate .....	Nov. 23, 1875	979	307	8	886
165, 882	Schroyer, Joseph J., assignor of one-half interest to Charles A. Helme, Springfield, Ill. Wood-pavement .....	July 20, 1875	741	226	8	135
163, 264	Schruben, Leonard, La Fayette, Ind. Tongue-support .....	May 11, 1875	507	165	7	820
	Schueler, Charles. (See Thimmes & Schueler.)					
165, 764	Schuette, Otto, Paris, France. Photometer .....	July 20, 1875	610	190	8	119
	Schuler, Theodore J. (See Vine & Schuler.)					
168, 927	Schulte, Anthony, Saint Louis, Mo. Rest for hardening and tempering circular saws .....	Oct. 19, 1875	540	195	8	664
158, 955	Schultz, Albert O., Memphis, Tenn. Cotton-auger .....	Jan. 19, 1875	612	203	7	123
170, 307	Schultz, Alexandre, Paris, France. Process of dyeing fabrics .....	Nov. 23, 1875	980			886
168, 346	Schultz, Emile, Paris, France. Breech-loading ordnance .....	Oct. 5, 1875	24	9, 10	8	568
	Schultz, Robert D. (See Hoge & Schultz.)					
171, 433	Schulz, Friedrich W., Mount Pleasant, Iowa. Road-scraper .....	Dec. 21, 1875	757	249	8	1066
	Schumacher, Ferdinand. (See Ehrlichson, Asmus J., assignor.)					
	Same. (See Heston, William, assignor.)					
	Same. (See Kruse, Henry, assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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170, 967	Schumacher, Gustav, assignor of one-half interest to R. D'Heureuse, New York, N. Y. Privy	Dec. 14, 1875	301	100	8	998
168, 290	Schumann, Franz. (See Mullett & Schumann.)					
170, 903	Schüssler, Carl F., Hamburg, Germany. Hydrocarbon-gas apparatus	Sept. 28, 1875	866	277	8	552
166, 723	Schussler, Herman W., New Haven, Conn. Lunch-pail	Dec. 7, 1875	218	75	8	980
6, 470	Schuster, Gustavus A., and John L. Driscoll, assignors to Gustavus A. Schuster, Oakland, Cal. Paint-brush	Aug. 17, 1875	531	163	8	291
	Schuyler, John F., deceased, assignor to William E. Lockwood, Philadelphia, Pa. Machine for planishing paper	June 1, 1875	214	75	7	959
	Schuyler, J. R., et al. (See Payne, Brigham, assignor) (Reissue.)					
	Schuyler, P. C. (See Suedeker, David, assignor.)					
	Schwaab, Adam. (See Hoehn, William, assignor.)					
	Schwab, Emil. (See Shepherd & Schwab) (Design.)					
163, 030	Schwab, Kilian, Lebanon, Ill. Middlings-purifier	May 11, 1875	293	95	7	793
171, 179	Schwager, Charles, Indianapolis, Ind. Sled-propeller	Dec. 14, 1875	497	164	8	1024
164, 221	Schwager, Charles, and Joseph Wissen, Indianapolis, Ind. Propeller for sleds	June 8, 1875	356	122	7	990
161, 447	Schwamb, Frederick, Chicago, Ill. Cutter-head	Mar. 30, 1875	1140	368	7	536
159, 359	Schwamer, Christian C., Winterset, Iowa. Level	Feb. 2, 1875	108	37	7	199
159, 848	Same. Dash-board	Feb. 16, 1875	587	194	7	278
170, 775	Same. Clothes-line prop	Dec. 7, 1875	111	35	8	965
170, 774	Schwamer, John W., New York, N. Y. Harness-saddle	Dec. 7, 1875	110	35	8	965
169, 195	Schwanhauser, Gustav, Nuremberg, Bavaria. Colored copying-pencil	Oct. 26, 1875	852		8	708
158, 986	Schwartz, Charles, and Charles E. Woods, Henderson, Ky. Toilet-stand bedstead	Jan. 18, 1875	613	203	7	123
163, 266	Schwartz, Charles C. E., Philadelphia, Pa. Paper fan	May 11, 1875	509	165	7	821
170, 904	Schwartz, Philipp, Gross Ammensleben, Prussia. Ribbon-loom	Dec. 7, 1875	218	75, 76	8	980
160, 844	Schwarz, Adolph. (See Wendel Moses, assignor.)					
166, 900	Schwarz, Adolph, New York, N. Y. Traveling-cap	Mar. 16, 1875	561	182	7	443
166, 637	Same. Cap	Aug. 17, 1875	694	215	8	314
163, 267	Schweikert, John P., New York, N. Y. Ash-chute	Aug. 10, 1875	432	134	8	268
163, 625	Schweikhart, Philip, Buffalo, N. Y. Washing-machine	May 11, 1875	508	163	7	820
	Schweizer, Alois, et al. (See Berchtold, Fidel, assignor.)					
	Schweizer & Gruwe. (See Gruwe, Emil, assignor.)					
161, 448	Schwerdt, Johann A., New York, N. Y. Cutter-head	Mar. 30, 1875	1141	368	7	536
167, 273	Schwin, William E., Talladega, Ala. Tool-handle	Aug. 31, 1875	1073	335	8	383
167, 274	Scotfield, Bolivar, Cartersville, Ga. Fertilizer-distributer, planter, and cultivator	Aug. 31, 1875	1073	335	8	383
164, 773	Scotfield, David B., Baker City, Oreg. Carpet-cleaner	June 22, 1875	884	288	7	1078
170, 193	Scotfield, Edward S., assignor to Washington Dewey, Chicago, Ill. Lock for car seats	Nov. 23, 1875	879	275	8	872
162, 106	Scotfield, Levi, assignor of one-half interest to Justin B. Wait, Grand Haven, Mich. Corn-planter	Apr. 13, 1875	458	153	7	643
169, 196	Scotfield, William R., Ellery, N. Y. Milk-cooler	Oct. 26, 1875	853	278	8	708
160, 473	Scoles, Weldon C., Circleville, Ohio. Car-coupling	Mar. 2, 1875	193	67	7	376
8, 483	Scorer, Ham & Wilkinson. (See Scorer & Ham, assignors) (Design.)					
	Scorer, Robert, and Robert Ham, assignors to Scorer, Ham & Wilkinson, Troy, N. Y. Heating-stove	July 13, 1875			8	49
	Scotchmer, Henry E. (See Kotznm, Wenzel L., assignor.)					
168, 923	Scotford, Louis K., Burlington, Kans. Lathe for turning ovals	Oct. 19, 1875	591	195	8	664
	Scott, Amos S. (See Scott, John, jr., and Amos S.)					
	Scott, Charles A. (See Maxwell & Scott.)					
166, 724	Scott, Erastus W., Wauregan, Conn. Whip-socket clasp	Aug. 17, 1875	532	163	8	291
	Scott, Frances A. (See Scott, William J., assignor.)					
162, 699	Scott, George W., Savannah, Ga. Bale-tie	Apr. 27, 1875	1054	336	7	733
	Scott, Gilbert R., et al. (See Preater, James H., assignor.)					
	Scott, Harmon. (See Hart & Scott.)					
162, 581	Scott, Henry R., and Dennis W. Granger, assignors to selves and Andrew J. Dibble, Franklin, N. Y. Butter-package	Apr. 27, 1875	938	301	7	719
	Scott, James. (See Easton & Scott.)					
167, 856	Scott, James, Hamilton, Canada. Composition for elastic stamps	Sept. 21, 1875	455		8	486
159, 612	Scott, James G., Saint Thomas, Canada. Car-brake	Feb. 9, 1875	353	117	7	241
171, 052	Scott, James L., Brooklyn, N. Y. Apparatus for transmitting motion	Dec. 14, 1875	375	123	8	1007
171, 053	Same. Mechanical movement	Dec. 14, 1875	376	124	8	1008
	Scott, Jasper S. (See McCall, Watkins & Scott.)					
152, 530	Scott, John, assignor to Lowell Machine Shop, Lowell, Mass. Traverse mechanism for ring spinning-frames	Jan. 5, 1875	157	53	7	31
166, 816	Scott, John, jr., and Amos S., Coatesville, Pa. Welding compound	Aug. 17, 1875	612		8	303
	Scott, John H. (See Phelps, Ira M., assignor.)					
168, 188	Scott, John O., Waupaca, Wis. Gun-lock	Sept. 28, 1875	778	247	8	539
	Scott, Olin. (See Holt, Newton W., assignor.)					
170, 776	Scott, Quincy A., Pittsburgh, Pa. Attaching disks to dental plates	Dec. 7, 1875	112	35	8	965
164, 774	Scott, Samuel, Springfield, Ohio, assignor to William A. Dodge, New York, N. Y. Sheet-metal hinge	June 22, 1875	885	289	7	1078
164, 489	Scott, Walter, Passaic, N. J., assignor to Joseph Chadwick, Boiling Spring, N. J., and Henry Dale, New York, N. Y. Hydrant	June 15, 1875	626	202	7	1034
164, 635	Scott, Walter, Chicago, Ill. Machine for cutting and delivering printed paper	June 22, 1875	816	267	7	1069
171, 246	Same. Car brake and starter	Dec. 2, 1875	589	193	8	1044
169, 376	Scott, William J., assignor to Frances A. Scott, Albany, N. Y. Testing-machine	Nov. 2, 1875	54	16	8	742
161, 559	Scott, William M., Birmingham, England. Breech-loading firm-arm	Mar. 30, 1875	1249	462	7	550
	Scott, Winfield. (See King & Scott.)					
169, 850	Scoville, Edward G., St. John, N. B. Box-pile	Nov. 9, 1875	534	166	8	811
6, 718	Scoville, Elijah U. and Washington L., Manlius, N. Y. Door-hinge	Oct. 26, 1875	986	319	8	726
	Scoville, Washington L. (See Scoville, Elijah U. and Washington L.) (Reissue.)					
	Scranton, Christopher A. (See Merriman, Benjamin H., assignor.)					
	Same. (See Pierce, David J., assignor.)					
170, 404	Scribner, George H., Essex, assignor of one-half interest to Londus F. Terrill, Underhill Centre, Vt. Steam-cooker	Nov. 23, 1875	1069	336	8	899
	Scott, Hiram B. (See Watkins & Scott.)					
169, 197	Sea, Henry, San Francisco, Cal. Brick-machine	Oct. 26, 1875	854	278	8	709
170, 024	Seabury, Thomas S., Saint James, N. Y. Wire fence	Nov. 16, 1875	694	219	8	841
170, 025	Same. Grape-vine trellis	Nov. 16, 1875	695	219	8	841
169, 302	Seagrave, Frederic S., Detroit, Mich. Velocipede	Oct. 26, 1875	954	309	8	722
160, 354	Seagrave, John D., Worcester, Mass. Faucet	Mar. 2, 1875	87	32	7	361
171, 180	Seaman, Alonzo D., Milwaukee, Wis. Spring bed-bottom	Dec. 14, 1875	497	164	8	1024
	Seaman, Emeline, administratrix. (See Seaman, John.)					
	Seaman, Frank. (See Miller, Leonard H., assignor.)					

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163, 891	Seaman, John, Andover, N. Y. Washing machine.	June 1, 1875	46	16	7	937
167, 942	Seaman, John, deceased, by Emeline Seaman, administratrix, and assignor of one-half interest to James Ford, Andover, N. Y. Inside venetian-blind	Sept. 21, 1875	521	166	8	496
167, 697	Seaman, John H., Brooklyn, N. Y. Extension or drop-light gasalier	Sept. 14, 1875	291	92	8	454
169, 377	Seaman, Robert, et al. (See Wiessbrock, Frederick W., assignor.) Seaman, William H., New York, N. Y. Process for testing the purity of dye in black silk thread or fabric	Nov. 2, 1875	55	.....	8	742
168, 347	Seamans, Charles W. (See Russell & Seamans.) Seamans, Julian C., Virgil, N. Y. Wagon-gearing Seamless Keg and Can Company. (See Wyckoff, Arcalous, assignor) (Reissue.) Searcy, John F. B. (See Bristol & Searcy.)	Oct. 5, 1875	25	10	8	568
165, 883	Searight, Samuel, Pettisville, Ohio. Burglar-alarm	July 20, 1875	742	227	8	135
8, 303	Searle & Dynes. (See Wallis, George E., assignor.) Searle, Edward P. (See Spnor & Searle.) Searle, Ella R. (See Searle, Herman S., assignor) (Design.) Searle, Herman S., assignor, by mesne assignments, to Ella R. Searle, Rochester, N. Y. Picture-frame molding (Design.)	Apr. 27, 1875	.....	.....	7	701
168, 189	Searle, Joseph M., Stanhope, N. J. Piston-rod stuffing box.	Sept. 28, 1875	779	247	8	539
166, 638	Searles, Ashbury M. (See Robinson, Darius S., assignor.) Sears, Ephraim, Kimbulton, Ohio. Bean and pumpkin-seed dropper	Aug. 10, 1875	433	134	8	268
166, 817	Sears, George B., et al. (See Bell, A. John, assignor) (Reissue.)	Aug. 17, 1875	612	190	8	303
168, 789	Sears, James, Boston, Mass. Variety-molding machine	Oct. 11, 1875	451	147	8	636
163, 267	Sears, John C., Saint Louis, Mo. Tool-handle	May 11, 1875	510	{ 165 166 }	7	821
167, 572	Seaver, Augustus. (See Miller, William, assignor.) Same (See West, John W., assignor.) Seaver, George V., Huntington, W. Va. Planing-chuck Seaverns, George W. (See Goodwin & Seaverns.)	Sept. 7, 1875	169	53	8	430
168, 110	Seavey, Edward L., Boseaven, N. H. Piano-stool	Sept. 28, 1875	704	232	8	529
163, 697	Seawell, Charles H., Saint Louis, Mo. Illuminating-sign	May 25, 1875	930	296	7	899
166, 416	Seck, Wilhelm, Bockenheim, Prussia. Grain-decoricator	Aug. 3, 1875	219	66	8	229
169, 121	Seddall, Joseph R. (See Chapman, Friend J., assignor.)	Oct. 26, 1875	792	257	8	699
170, 405	Seddon, George B., and William McFaul, New York, N. Y. Rock-drill Sedgwick, Alonzo and Edwin H., Poughkeepsie, assignors to selves, Rodney S. and Walter W. Whitman, and David H. Burrell, Little Falls, N. Y. Curd-cutter.	Nov. 23, 1875	1069	337	8	899
168, 419	Sedgwick, Edwin. (See Sedgwick, Alonzo and Edwin H.)	Oct. 5, 1875	89	31	8	577
159, 043	Sedore, Charles E. (See Brown & Sedore.)	Jan. 26, 1875	688	227	7	140
168, 929	See, James, Saint Louis, Mo. Millstone-staff	Oct. 19, 1875	591	195	8	664
166, 561	Seabas, Oscar, New York, N. Y., and Robert Simon, West Hoboken, N. J. Hygroscope	Aug. 10, 1875	365	112	8	258
165, 373	Seaber, John A., and James C. Croxton, Rockwall, Tex. Construction of jails	July 6, 1875	212	64	8	37
164, 222	Seahausen, Herman, assignor of one-half interest to George R. G. Jones, Memphis, Tenn. Curtain-fixture	June 8, 1875	356	122	7	990
169, 851	Sealey, Hurlbert H., Fenwick, Mich., assignor of one-half interest to Alexander Fergusson. Grain-separator	Nov. 9, 1875	534	166	8	811
167, 572	Sealey, Nathan, et al. (See Jewell, Tryon J. M., assignor.)	July 6, 1875	212	64	8	37
164, 222	Seelig, Romann, Chicago, Ill. Changeable feed-gear for feed-cutters	June 8, 1875	356	122	7	990
169, 851	Segar, Charles T., assignor of one-half interest to Henry P. Mallory, Utica, N. Y. Spring bed-bottom	Nov. 9, 1875	534	166	8	811
169, 486	Segbrunck, Frederick G., et al. (See Fitch & Shafer, assignors) (Reissue.)	Nov. 2, 1875	148	48	8	755
164, 400	Seger, Edmund S. (See Ormiston & Seger.) Segur, Joseph M. (See Pierce, Truman L., assignor.)	June 15, 1875	545	179	7	1023
158, 810	Sehorn, Alexander O. H. P., Muirfreesborough, Tenn. Vise	Jan. 19, 1875	443	148	7	101
168, 030	Seiber, Charles F., Harrisburgh, assignor of one-half interest to Herrman Miller, Lancaster, Pa. Soap-cutting machine	Oct. 19, 1875	592	195	8	664
169, 046	Seiberling, James H., assignor to Cline, Seiberling & Co., Doylestown, Ohio. Die for swaging harvester-guards	Oct. 19, 1875	762	232	8	679
169, 049	Seibeling, J. F., trustee. (See Jarboe, John W., assignor) (Reissue.) Seiberling, John F., Akron, Ohio. Harvester-gearing	Oct. 19, 1875	702	232	8	679
8, 041	Seibert, George A. (See Witman & Seibert.) Seidensticker, Frederick R., assignor to Bradley & Hubbard, West Meriden, Conn. Lamp-bracket	Feb. 2, 1875	.....	.....	7	181
8, 042	Same. Chandelier (Case C. Design)	Feb. 2, 1875	.....	.....	7	181
8, 043	Same. same (Case D. Design)	Feb. 2, 1875	.....	.....	7	181
8, 880	Seidensticker, Frederick R., assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Cigar-lighter (Design.)	Dec. 20, 1875	.....	.....	8	1076
158, 531	Seidensticker, Frederick R., assignor to Bradley & Hubbard, West Meriden, Conn. Lamp-pendant	Jan. 5, 1875	158	54	7	31
170, 777	Seldler, George N., assignor of one-half interest to Charles May, Hartford, Conn. Sofa-bedstead	Dec. 7, 1875	113	36	8	965
161, 827	Seiple, Henry H. (See Chamberlain & Seiple.) Seitz, George W. (See McCormick, William H., assignor.)	Apr. 6, 1875	269	.....	7	599
161, 709	Seitz, Samuel, Shrewsbury Township, Pa. Fertilizer	Apr. 6, 1875	99	35	7	583
168, 291	Selden, George, Erie, Pa. Means for preventing boiler-explosions	Sept. 28, 1875	867	278	8	552
168, 292	Same. Pipe-tongs	Sept. 28, 1875	868	278	8	552
171, 247	Same. same	Dec. 21, 1875	591	194	8	1044
161, 064	Selden, George B., Rochester, N. Y. Machine for shaving half-round hoops	Mar. 23, 1875	757	250	7	479
171, 324	Selden, Samuel, and Matthew Griswold, jr., Erie, Pa. Stove-pipe damper	Jan. 19, 1875	614	294	7	123
158, 987	Selden, Samuel L., Rochester, N. Y. Hinge for gates Selder, La Fayette. (See Brinkerhoff, Bennett & Selder.)	Nov. 23, 1875	891	307	8	886
170, 308	Sell, Edgar E., Charlestown, S. C. Bellows attachment for rocking-chairs	Dec. 21, 1875	657	216	8	1052
158, 984	Selleck, Robert M., Newark, N. J. Harness-pad Sellen, Michael, Brighton, Wis. Fire-arm	Jan. 19, 1875	614	294	7	123
162, 422	Sellers, George H. (See Sellers, William and George H.) Sellers, George H., Wilmington, Del., assignor to William and John Sellers, jr., Philadelphia, Pa. Method of enlarging the ends of metal bars	Apr. 20, 1875	717	252	7	690
160, 034	Sellers, Jacob C., Marshfield, Mo. P's-trap Sellers, John, jr., et al. (See Sellers, George H., assignor.) Sellers, John, jr. (See Sellers, William and George H., assignors.)	Feb. 23, 1875	780	257	7	311
168, 348	Sellers, Peter, Lancaster County, Pa. Millstone-staff	Oct. 5, 1875	26	10	8	568
167, 574	Sellers, Samuel, Philadelphia, Pa. Cylinder for paper-making machines Sellers, William. (See Pensard, Auguste, assignor.)	Sept. 7, 1875	171	51	8	430



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159, 849	Sellers, William, <i>et al.</i> (See Sellers, George H., assignor.) Sellers, William. (See Tweddell, Ralph H., assignor.) Sellers, William, Philadelphia, Pa., and George H. Sellers, Wilmington, Del.; said George H. assignor to John Sellers, jr., Philadelphia, Pa. Revolving-puddler	Feb. 16, 1875	588	195	7	278
166, 308	Sellmann, Henry, Hoboken, N. J., and Herman Reccsing and Julius Wolf, New York, N. Y. Compound for preserving fish	Aug. 3, 1875	114	.....	8	215
167, 360	Sellon, John S., and Robert Pinkuey, London, England. Dyeing and printing	Aug. 31, 1875	1150	.....	8	394
164, 045	Sells, Hugh, Vienna, Canada. Cider-press	June 1, 1875	178	64	7	955
167, 573	Selsor, George, Philadelphia, Pa. Grinding-mill	Sept. 7, 1875	170	54	8	430
166, 150	Sendering, Martin L., Jersey City, N. J. Sugar-mold	July 27, 1875	1011	311	8	184
170, 406	Seng, Wendelin, Chicago, Ill. Device for attaching bolster-frames to folding lounges	Nov. 23, 1875	1070	337	8	899
166, 639	Sensenbaugh, Henry, Sharon, Ill. Draft-equalizer	Aug. 10, 1875	434	134	8	208
167, 275	Senter, William F., Marshall, Mo. Corn-marker	Aug. 31, 1875	1075	335	8	383
170, 454	Sergeant, Wells E., Pine Island, Minn. Millstone-driver Seth Thomas Clock Company. (See Andrews, Randal T., assignor.) Setou, John. (See Harney, James, assignor.)	Nov. 30, 1875	1128	356	8	915
167, 698	Settle, Edward, assignor of one-half interest to Benjamin Shevill, Brooklyn, N. Y. Leather-finishing machinery	Sept. 14, 1875	292	92	8	454
158, 989	Settle, George W. (See Settle, John and George W.) Settle, John, and George W., Lebanon, Ore. Machine for tapering leather	Jan. 19, 1875	616	204	7	123
158, 745	Settle, John W., Glasgow, Ky. Grain-gradle	Jan. 12, 1875	360	123	7	75
171, 054	Settle, William H., <i>et al.</i> (See Barnard, Alanson, assignor.) Severin, Aug., assignor to self and Frederick Zarfaller, New York, N. Y. Remedy for rheumatism	Dec. 14, 1875	377	.....	8	1008
162, 955	Severin, Wilhelm, <i>et al.</i> (See Kahler, Conrad, assignor.) Severa, Henry, Davenport, Iowa. Grain-conveyer	May 4, 1875	206	66	7	774
159, 225	Seward, Maurice D., Normal, Ill. Cooking-stove	Jan. 26, 1875	852	278	7	103
171, 434	Seward, Moses, New Haven, Conn. Collar for ornamental carriage-work. (Extension)	Feb. 4, 1875	.....	.....	7	303
171, 435	Same. Vehicle-dash frame	Dec. 21, 1875	757	249	8	1066
160, 474	Sewell, John, Bowdon, Ga. Plow	Dec. 21, 1875	758	249	8	1066
162, 107	Sexton, James B., Pella, Iowa. Punching-machine	Mar. 2, 1875	194	67	7	376
162, 108	Sexton, Samuel B., Baltimore, Md. Magazine fire-place stove	Apr. 13, 1875	462	153	7	643
160, 035	Same. Same	Apr. 13, 1875	461	154	7	643
167, 857	Seyd, William. (See Kinn, Friedrich, assignor.) Seyfaug, George, Buffalo, N. Y. Coal-hod	Feb. 23, 1875	761	257	7	311
6, 719	Seyfert, George, assignor to Heinz, Pierce & Munschauer, Buffalo, N. Y. Coal-hod	Sept. 21, 1875	456	144	8	486
167, 027	Seyfert, Henry. (See Dorr & Seyfert.) Seymour, Albert P., New Britain, Conn. Mop and brush holder (Reissue)	Oct. 26, 1875	987	319	8	726
162, 423	Seymour, Alfred B., Jersey City, N. J. Manufacture of horseshoes	Aug. 24, 1875	828	258	8	342
161, 065	Seymour, Charles, Charlottesville, Va. Locking-latch	Apr. 20, 1875	778	352	7	690
166, 640	Seymour, Frederick J., Wolcottville, Conn. Lamp-collar	Mar. 23, 1875	759	250	7	479
168, 532	Seymour, James M., Newark, N. J. Process of baling hay, cotton, &c	Aug. 10, 1875	435	134	8	268
161, 162	Same. Machine for boring blind-stiles	Oct. 5, 1875	193	63	8	592
163, 892	Seymour, Marvin J., Tar Farm, Pa. Machine for jointing staves	Mar. 23, 1875	855	279	7	491
167, 699	Seymour, Oliver E., assignor to Franklin H. Brown, Indianapolis, Ind. Journal-stud or crank-pin	June 1, 1875	47	16	7	937
162, 355	Seymour, William H., Gloversville, N. Y. Shingling-bracket	Sept. 14, 1875	293	93	8	455
164, 600	Seyter, Herman, Cambridge, Mass. Air-pump for carbureters	Apr. 20, 1875	617	201	7	670
171, 436	Shackleton, Joseph, Rahway, N. J. Steam-radiator	June 15, 1875	719	234	7	1047
158, 392	Shackleton, Joseph, Buffalo, N. Y. Steam-boiler	Dec. 21, 1875	759	250	8	1066
171, 437	Shackno, Charles, <i>et al.</i> (See Loeser, Lazarus, assignor.) Shafer, Charles T., Springfield, Ohio. Clothes-drier	Jan. 5, 1875	35	13	7	14
165, 032	Shafer, Frank I., San Francisco, Cal. Hanging or portable fountain	Dec. 21, 1875	759	250	8	1067
163, 536	Shafer, Peter. (See Fitch & Shafer.) (Reissue.) Shaffer, Edward P., Rochester, N. Y. Carpet-stretcher	June 29, 1875	1130	368	7	1118
162, 956	Shaffner, Henry C., <i>et al.</i> (See Mellinger, Christian K., assignor.) Shain, Charles J., and George L. Waitt, Philadelphia, Pa. Car-starter	May 4, 1875	207	67	7	774
163, 535	Shaler, Ira W., Brooklyn, N. Y. Carbureter	May 18, 1875	787	246	7	872
159, 613	Shamburg, G., <i>et al.</i> (See Allen, Hosea, assignor.) Shank, William P., Clifton, W. Va. Brush-holder	May 18, 1875	778	247	7	872
167, 199	Shauklin, Addison. (See Wilson, Jacob W., assignor.) Shanks, Simon W., Benton Harbor, Mich. Washing-machine	Feb. 9, 1875	353	117	7	241
160, 475	Shannon, James S., Chicago, Ill. Uterine supporter	Aug. 31, 1875	1012	315	8	374
159, 044	Shannon, John A., assignor to self and Earl A. Thurstin, Bowling Green, Ohio. Scaffold	Mar. 2, 1875	195	67	7	376
6, 501	Shannon, John W., Erie, Pa. Manufacture of staple-blanks	Jan. 26, 1875	689	227	7	141
167, 624	Shapard, W. B., <i>et al.</i> (See Clem, James M., assignor.) Shapley, Martin W., Binghamton, N. Y. Steam-boiler (Reissue)	June 22, 1875	1016	322	7	1094
162, 957	Share, Philip T., Baltimore, Md. Fastener for meeting-rails of sashes	Sept. 14, 1875	229	71	8	445
161, 358	Sharer, Thomas. (See Betteley & Sharer.) (Reissue.) Sharkey, James, Brooklyn, N. Y. Monument	June 22, 1875	1022	.....	7	1094
169, 853	Sharp, Absalom B., Plaquemine, La. Car-starter	May 4, 1875	209	67	7	774
162, 772	Sharp, Dennis P., Ithaca, N. Y. Horse hay-rake	Nov. 30, 1875	1057	314	7	525
164, 775	Same. Same	Mar. 9, 1875	536	167	8	811
164, 490	Sharp, Hiram A., Jackson County, Mo. Car-coupling	May 4, 1875	35	11	7	751
169, 852	Sharp, James L., New York, N. Y. Coal-oil stove	June 22, 1875	885	289	7	1078
170, 309	Sharp, Joseph B. (See Sharp, William C., assignor.) Sharp, Thomas, United States Army. Construction of fire-proof buildings	June 15, 1875	626	202	7	1034
160, 722	Sharp, William C., assignor to self and Joseph B. Sharp, Vineland, N. J. Seaming-machine	Nov. 9, 1875	535	167	8	811
158, 532	Sharpsteen, William M., Mechanicsburg, Pa. Machine for tapering the tenons of spokes	Nov. 23, 1875	981	307	8	887
158, 533	Shattuck, Edwin R., Olean, N. Y. Coffee-filter	Mar. 9, 1875	430	143	7	419
166, 818	Shattuck, George H. (See Hopkins, Isaac N., assignor.) Shattuck, Mary L., New York, N. Y. Ticket-clasp	Jan. 5, 1875	159	54	7	31
167, 028	Shaver, John I. (See Barlow, Charles B., assignor.) Shaw & Rogers Lead Company. (See Tracey, Christopher C., assignor.)	Aug. 17, 1875	614	190	8	303
165, 430	Shaw, Andrew, Petroleum, W. Va. Claw-bar	Aug. 24, 1875	829	258	8	342
162, 109	Shaw, Benjamin C., Indianapolis, Ind. Side-spar for vehicles	July 13, 1875	299	88	8	56
162, 109	Shaw, Benjamin F., assignor to self, Edward Kendall, and George B. Roberts, Cambridge, Mass. Liquid-cooler	Apr. 13, 1875	466	154	7	643
	Shaw, Charles, and Bernard Yaeger, Henry, Ill. Hat-holder for seats					
	Shaw, Charles A. (See Garland, William, assignor.) Same. (See Halvorson, Halvor, assignor.) Same. (See Skillen, Henry E., assignor.)					
	Shaw, Charles B. (See Viets & Shaw.) Shaw, Charles H. (See Coyle, Henry G., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr-g	Vol.	Page.
166, 033	Shaw, Daniel F., Hamilton, Mo. Sulky-harrow .....	July 27, 1875	895	276	8	168
166, 151	Shaw, Edward, Manchester, England. Wheel for vehicles.....	July 27, 1875	1013	312	8	184
159, 046	Shaw, Edward S., Cambridge, Mass. Joint for iron truss-bridges.....	Jan. 26, 1875	690	228	7	141
168, 848	Shaw, Elizabeth F., Brooklyn, N. Y. Dress-protector for sewing-machines.....	Oct. 19, 1875	515	169	8	653
159, 284	Shaw, Francis M., Brockton, assignor to Benjamin F. Sturtevant, Boston, Mass. Mechanism for compressing points on pegs.....	Feb. 2, 1875	37	13, 14	7	190
169, 661	Shaw, Francis M., Brockton, assignor to David Whittemore, Wollaston, Mass. Machine for nailing boots and shoes.....	Nov. 9, 1875	339	167	8	787
8, 259	Shaw, Franklin, Braintree, Mass. Tread of boot and shoe heels (Design).....	Apr. 6, 1875	.....	.....	7	564
	Shaw, George W. (See Berryman, Bayard A., assignor.)					
	Same..... (See Wardwell Simon W., jr., assignor.)					
	Shaw, Henry M. (See Saboru & Shaw.)					
168, 931	Shaw, Irvin A., assignor to self and John E. Joslyn, Grand Meadow, Minn. Washing-machine.....	Oct. 19, 1875	593	196	8	665
162, 315	Shaw, John B. and Simeon H. Lucas, Chicago, Ill. Drill for drilling metal.....	Apr. 20, 1875	669	218	7	677
170, 968	Shaw, Lorenzo D. B., Boston, Mass. Steam and vacuum pump.....	Dec. 14, 1875	302	140	8	998
159, 045	Shaw, Loring D., Boston, Mass. Automatic relief-valve.....	Jan. 26, 1875	689	227	7	141
169, 854	Shaw, Mathew, Saint Louis, Mo. Refrigerator.....	Nov. 9, 1875	537	167	8	811
164, 223	Shaw, Michael W., Galveston, Tex. Bottle-stopper.....	June 8, 1875	357	122	7	990
161, 066	Shaw, Noah, Eau Claire, Wis. Head-block for saw-mills.....	Mar. 23, 1875	759	250	7	479
160, 286	Shaw, Philander, Scituate, Mass. Air-tight dish.....	Mar. 2, 1875	27	11	7	352
167, 475	Same..... Butter-worker.....	Sept. 7, 1875	82	26	8	418
167, 476	Same..... Butter-mold.....	Sept. 7, 1875	83	26	8	418
162, 110	Shaw, Samuel J. and H. Eugene Smith, Marlborough, Mass. Toy gun.....	Apr. 13, 1875	466	154	7	644
159, 121	Shaw, Thomas, Providence, R. I. Tea-pot handle.....	Jan. 26, 1875	758	249	7	150
161, 163	Shaw, Thomas, Danville, Pa. Fumigator for greenhouses.....	Mar. 23, 1875	855	279	7	491
162, 773	Shaw, Thomas, Philadelphia, Pa. Plug-valve.....	May 4, 1875	36	11	7	751
166, 562	Same..... Exhaust-nozzle.....	Aug. 10, 1875	365	112	8	259
	Shaw, Thomas S. (See Mullyowny & Shaw.)					
170, 778	Shaw, Timothy M., Lebanon, Tenn. Gang-plow.....	Dec. 7, 1875	114	36	8	965
164, 106	Shaw, William, Kingman, Me. Machine for washing leather.....	June 8, 1875	239	89	7	977
	Shaw, William F., jr. (See Henaman & Shaw.)					
6, 581	Shawk, George W., Cleveland, Ohio, assignor, by mesne assignments, of part interest to Charles F. Uhl, John Gribben, H. A. Crossley, and W. H. Crowell. Electric annunciator..... (Reissue).....	Aug. 3, 1875	267	79	8	236
	Shay, John H., et al. (See Hale, Edward, jr., assignor.)					
	Shay, Samuel F. (See Stephens & Shay.)					
6, 777	Shearer, George H., Bay City, Mich. Log-turner for saw-mills.....	Nov. 30, 1875	1329	419	8	942
	Shears, Abram. (See Benjamin, Fred W., assignor.)					
160, 620	Sheckler, Peter, and Harrison W. Bolender, Orangeville, Ill. Windmill.....	Mar. 9, 1875	338	114	7	406
166, 819	Shedd, Joel, Waltham, Mass. Shutter-fastener.....	Aug. 17, 1875	614	190	8	304
162, 198	Shedlock, Alfred, New York, N. Y. Oil and other presses.....	Apr. 20, 1875	563	185	7	663
166, 481	Same..... Safety-pin.....	Aug. 10, 1875	300	90	8	249
164, 696	Sheehy, Robert J., Boston, Mass. Electrical apparatus for timing races.....	June 22, 1875	818	267	7	1069
	Same..... (See 268).....					
	Sheeler, Buckwalter & Co. (See Smith & Brown, assignors)..... (Design.)					
164, 224	Sheets, Albert A., Maumee City, Ohio. Horse-power equalizer.....	June 8, 1875	357	123	7	990
161, 449	Sheffield, George V., assignor to Sheffield Screw Driving Machine Company, New York, N. Y. Machine for inserting fibrous screw-fastenings in boots and shoes.....	Mar. 30, 1875	1142	368	7	536
	Same..... (See 369).....					
168, 420	Sheffield, George V., New York, assignor to self and Martin Bennett, Brooklyn, N. Y. Method of uniting the soles and uppers of boots and shoes.....	Oct. 5, 1875	90	31	8	578
	Sheffield Screw Driving Machine Company. (See Sheffield, George V., assignor.)					
168, 053	Shelby, Christopher C., Jersey City, N. J. Railway-crossing.....	Sept. 21, 1875	629	202	8	512
158, 443	Sheldon, Cecelia B., New York, N. Y. Tag.....	Jan. 5, 1875	79	27	7	20
161, 906	Same..... Butter-pail.....	Apr. 13, 1875	290	98	7	622
164, 225	Same..... Furniture-caster.....	June 8, 1875	358	123	7	990
164, 226	Same..... same.....	June 8, 1875	358	123	7	990
164, 776	Same..... Joint-support for street-railway rails.....	June 22, 1875	886	289	7	1073
166, 309	Same..... Folding seat for horse-cars.....	Aug. 3, 1875	114	35	8	215
166, 310	Same..... Butter-package.....	Aug. 3, 1875	115	35	8	215
170, 496	Sheldon, Frank P., Providence, R. I. Machine for threading screws.....	Nov. 30, 1875	1166	368	8	921
	Same..... (See 369).....					
	Sheldon, J. H., et al. (See Eichbaum, Frederick H., assignor.)					
162, 860	Sheldon, Sylvester W., New York, N. Y. Bluing-case.....	May 4, 1875	115	37	7	762
166, 152	Shelenberger, Anos, assignor of two-thirds interest to Joseph Z. Lizier and John W. Singer, Versailles, Ohio. Spiral bay-fork.....	July 27, 1875	1013	312	8	185
159, 970	Shellahberger, Michael M., Hamilton, Mo. Sickle-head for harvesters.....	Feb. 16, 1875	699	233	7	293
163, 110	Shelley, Artemas M. (See Parker, Charles F., assignor.)					
	Shelley, Nathan G., Stephen P. Bozarth, and David V. Spring, Austin, Tex. Car-comping.....	May 11, 1875	364	119	7	802
6, 680	Shelton, Edward D., Birmingham, Conn. Paper box..... (Reissue).....	Oct. 5, 1875	924	73	8	596
160, 239	Same..... same.....	Feb. 23, 1875	954	313	7	336
164, 601	Shelton, Edward D., assignor to Cornell & Shelton, Birmingham, Conn. Paper box.....	June 15, 1875	719	234	7	1047
164, 830	Shelton, Edward T., Laurel Grove, Va. Tobacco-knife.....	June 22, 1875	992	320	7	1091
161, 164	Shelton, John D., Huntington, Conn. Pin-separator.....	Mar. 23, 1875	856	280	7	491
166, 153	Shelton, John D., Birmingham, Conn. Machine for assorting pins.....	July 27, 1875	1014	312	8	185
165, 033	Shelton, John J., Washington, Mo. Rotary churn.....	June 29, 1875	1140	368	7	1118
161, 828	Shelton, Samuel C., Asheville, N. C. Tobacco-hanger.....	Apr. 6, 1875	210	70	7	599
6, 474	Shenfield, Abraham, New York, N. Y. Buckle for suspenders..... (Reissue).....	June 1, 1875	219	76	7	960
169, 853	Same..... Suspender button-strap.....	Nov. 9, 1875	537	168	8	811
6, 782	Shepard, George A., Bethel, Conn., assignor to Joseph H. Davis, Boston, Mass. Machine for covering reeds for hat-trimmings..... (Reissue).....	Dec. 7, 1875	247	84	8	981
162, 316	Shepard, George L., Columbus, Ohio. Spring bed-bottom.....	Apr. 20, 1875	670	219	7	677
166, 311	Shepard, George L., and William Bedell, New York, N. Y. Garbage-vault.....	Aug. 3, 1875	116	35, 36	8	216
158, 746	Shepard, George V., Troy, N. Y. Compound fabric.....	Jan. 12, 1875	261	123	7	75
158, 990	Same..... Horse-blanket or lap-robe.....	Jan. 19, 1875	617	204	7	124
	Shepard, Henry W., et al. (See Wiesbrock, Frederick W., assignor.)					
171, 584	Shepard, Jackson, Allegheny, Pa. Cigar-cutter.....	Dec. 28, 1875	915	300	8	1097
168, 790	Shepard, Jacob, Williamsburgh, N. Y. Cigarette-maker.....	Oct. 11, 1875	452	147	8	636
160, 476	Shepard, James, Bristol, Conn. Attaching rubber cushions to door-checks, &c.....	Mar. 2, 1875	196	67	7	377
168, 111	Same..... Poultry-coop.....	Sept. 28, 1875	704	222	8	529
168, 421	Shepard, Lewis, assignor to self and D. W. Kennedy, Mace, Ind. Crosscut-saw handle.....	Oct. 5, 1875	90	31	8	578

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Draw.	Vol.	Page.
164, 602	Shepard, Merrill A., Lebanon, Ill. Roof	June 15, 1875	720	234	7	1047
168, 587	Same..... Iron roof	Oct. 11, 1875	271	88	8	610
163, 614	Shepard, William A., New York, N. Y. Fire-proof safe, &c	May 25, 1875	865	272	7	891
166, 941	Same..... Process for making quick-burning fluid	Aug. 24, 1875	745		8	330
166, 034	Shepardson, Henry S., assignor to Wian Lock Company, Shelburne Falls, Mass. Lock	July 27, 1875	896	277	8	168
160, 287	Shepherd, Charles C., Passaic, N. J. Transparent slate	Mar. 2, 1875	28	11	7	353
165, 126	Same..... Slate	June 29, 1875	1233	393	7	1129
8, 018	Shepherd, Frank H., and Emil Schwab, Lowell, assignors to James W. Tufts, Medford, Mass. Casing of soda-water apparatus	Jan. 19, 1875			7	93
8, 191	Same..... Casing of a soda-water apparatus	Mar. 2, 1875			7	345
8, 778	Shepherd, Frank H., Boston, assignor to James W. Tufts, Medford, Mass. Casing of a soda-water apparatus	Nov. 9, 1875			8	776
8, 779	Same..... same	Nov. 9, 1875			8	776
8, 796	Same..... The casing of a soda-water apparatus	Nov. 16, 1875			8	819
8, 797	Same..... same	Nov. 16, 1875			8	819
8, 818	Same..... Casing of a soda-water apparatus	Nov. 30, 1875			8	909
8, 819	Same..... same	Nov. 30, 1875			8	909
8, 881	Same..... same	Dec. 28, 1875			8	1076
165, 765	Shepherd, George W., Afton, Iowa. Corn-planter	July 20, 1875	620	191	8	119
	Shepherd, Samuel, et al. (See Harris, Samuel, assignor.)					
161, 067	Shepley, De Lana, Boston, Mass. Paper hat-binding	Mar. 23, 1875	761	251	7	480
169, 0.0	Sheppard, Isaac A., Philadelphia, Pa. Stove	Oct. 19, 1875	703	232	8	679
165, 374	Sheppard, John L., Charleston, S. C. Bale-band tightener	July 6, 1875	213	64	8	38
171, 585	Sheppard, Lydia H., Philadelphia, Pa. Picture-exhibitor	Dec. 28, 1875	916	300	8	1097
8, 251	Sherer, William T., Chicago, Ill. Tea-caddy	Mar. 30, 1875			7	516
161, 829	Same..... same	Apr. 6, 1875	211	71	7	589
159, 550	Sherfy, Benjamin B., Knoxville, Tenn. Car-coupling	Feb. 16, 1875	590	195	7	278
165, 621	Sheridan, James F., New York, N. Y. Basin-faucet	July 13, 1875	481	146	8	823
	Sheridan, James L. (See Gambrell & Sheidan.)					
	Sherman, David B. (See Bishop & Sherman.)					
	Sherman, David B., et al. (See Lynahan, Daniel, assignor.)					
170, 905	Sherman, Henry A., Fremont, Ohio. Burglar-alarm	Dec. 7, 1875	220	76	8	980
171, 181	Sherman, Ira L., New Albion, N. Y. Fence-post	Dec. 14, 1875	498	165	8	1024
161, 710	Sherman, James L., Cassville, Wis. Piston-packing	Apr. 6, 1875	100	36	7	583
168, 349	Sherman, Jereh C., New Bedford, Mass. Screw-cutting die	Oct. 5, 1875	27	10	8	568
171, 535	Sherman, Seeley M., Fort Dodge, Iowa. Machine for forming metallic end-pieces for blind-slats	Dec. 28, 1875	869	285	8	1090
	Sherrill, H. A. (See Lipsey, Andrew B., assignor.)					
161, 086	Sherill, Henry W., New York, N. Y. Reversing pulley or gear-wheel	Apr. 13, 1875	357	120	7	630
161, 165	Sherill, Ira T., Paducah, Ky. Car-coupler	Mar. 23, 1875	856	280	7	491
161, 560	Sherwin, James T., Philadelphia, Pa. Folding-rack for towels	Mar. 30, 1875	1251	402	7	550
168, 056	Sherwood, Andrew T., Amador City, Cal. Spring bed-bottom	Sept. 21, 1875	630	202	8	512
	Sherwood, Daniel, et al. (See Ayres & Chamberlin, assignors.) (Reissue.)					
	Same..... (See Dudley, George D., assignor.)					
	Same..... (See Goodwin, Richard J. P., assignor.) (Reissue.)					
	Same..... (See Woods, Edward P., assignor.)					
	Sherwood, Daniel. (See Woods & Sherwood.) (Reissue.)					
	Sherwood, David W., et al. (See Rebstock, Christian, assignor.)					
160, 356	Sherwood, Samuel, Independence, Iowa. Water-wheel	Mar. 2, 1875	88	33	7	361
	Sherwood School Furniture Company. (See Cogger, William B., assignor.)					
	Shewood, Warren A., et al. (See Brewer, Russell, assignor.)					
	Shewill, Benjamin. (See Settle, Edward, assignor.)					
163, 336	Shideler, George A., Logansport, Ind. Machine for dressing staves	May 18, 1875	595	190	7	848
168, 791	Shield, David, assignor of three-fourths interest to Indiana Car Company, Cambridge City, Ind. Operating street-car doors	Oct. 11, 1875	453	148	8	636
158, 444	Shields, Charles J., Adrian, Mich. Slate-frame	Jan. 5, 1875	80	28	7	20
170, 598	Shields, John R., Norfolk, Va. Hinge	Nov. 30, 1875	1268	399	8	934
167, 700	Shiels, Andrew, Portland, Oreg. Invalid-lounge	Sept. 14, 1875	294	93	8	455
168, 792	Shigley, William A., Jedd0, Kans. Animal-trap	Oct. 11, 1875	454	148	8	637
164, 107	Shill, Harry J., jr., Philadelphia, Pa. Child's carriage	June 8, 1875	260	89	7	977
	Shillito, Michael. (See Rhodes, Shillito & Speed.)					
	Shillito, William H. (See Rider & Shillito.)					
159, 226	Shimer, George J., Milton, Pa. Cutter-head	Jan. 26, 1875	853	279	7	164
163, 269	Same..... Machine for matching lumber	May 11, 1875	512	166	7	821
166, 035	Same..... Cutter-head for planing and molding machines	July 27, 1875	897	277	8	168
165, 375	Shimer, George J. and Samuel J., Milton, Pa. Process and furnace for manufacturing iron	July 6, 1875	213	64, 65	8	38
	Shimer, Joseph D. (See Carhart, Jacob C., assignor.)					
158, 747	Shimer, Milton J., Camden, N. J. Locking device for slide-rests	Jan. 12, 1875	261	123	7	75
8, 652	Shimer, Samuel J. (See Shimer, George J. and Samuel J.)					
8, 653	Shimoneck, William C., Washington, D. C. Waist-belt	Sept. 14, 1875			8	439
166, 725	Same..... Back-comb	Sept. 14, 1875			8	439
162, 582	Shine, Patrick H., Chicago, Ill., assignor of two-thirds interest to Benjamin C. Jones and Solomon J. Stebbins. Chimney top and ventilator	Aug. 17, 1875	533	163	8	291
164, 697	Shinn, Frederick M., Le Roy, Kans. Magazine fire-arm	Apr. 27, 1875	939	302	7	719
	Shinn, John, assignor to self, George H. Lehman, William N. Marcus, and Dudley H. Bradlee, Philadelphia, Pa. Cloth-steaming machine	June 22, 1875	821	268	7	1069
167, 943	Shipe, Walter S., Minerva, Ohio. Plane-guide	Sept. 21, 1875	522	167	8	497
159, 971	Shipley, Peter A., and Abraham Wheeler, Woodberry, Md. Washing-machine	Feb. 16, 1875	700	233	7	293
159, 972	Shiran, Andrew, and William J. Givens, Pecheco, Cal. Hoof-trimmer	Feb. 16, 1875	701	233	7	293
8, 824	Shirley, Frederick S., New Bedford, Mass. Glassware	Dec. 7, 1875			8	945
8, 848	Same..... Lamp-chimney	Dec. 14, 1875			8	988
170, 194	Same..... Chandelier	Nov. 23, 1875	880	275	8	872
	Shirley, Levy, et al. (See Rider, William H., assignor.)					
	Shirley, Martin. (See Eberly, John A., assignor.)					
169, 378	Shive, David, Philadelphia, Pa., assignor to Shive Governor Company. Watchmen's register	Nov. 2, 1875	56	17	8	742
	Shive Governor Company. (See Shive, David, assignor.)					
165, 127	Shive, John, Centre Hill, Ark. Hopple	June 29, 1875	1223	393	7	1129
171, 438	Shiver, Eli-ha, assignor, by mesne assignments, to William C. Dreyer, Baltimore, Md. Spring-motor	Dec. 21, 1875	760	250	8	1067
161, 907	Shock, William H., Baltimore, Md. Steam-radiator	Apr. 13, 1875	291	98	7	622
	Shoemaker, Charles T. (See Disston & Shoemaker.)					
161, 285	Shoemaker, James H., Wilmington, Del. Hot-air furnace	Mar. 23, 1875	973	318	7	596

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167, 944	Shoemaker, John A., and David D. Jones, Pittsburgh; said Jones assignor to E. T. Vanvorbis, Monongahela City, Pa. Nut-lock	Sept. 21, 1875	523	167	8	497
170, 310	Shoemaker, William S., assignor of two-thirds interest to Sydney C. Long, Baltimore, Md. Volute-spring motor	Nov. 23, 1875	981	307	8	887
8, 743	Shoemate, Parker M. (See Hoffman & Shoemate.)					
8, 744	Shoeninger, Adolph. (See Marble, George W., assignor.)					
159, 047	Shoeninger, Adolph, Chicago, Ill. Hobby-horse. (Design)	Oct. 19, 1875			8	645
165, 884	Same..... same. (Design)	Oct. 19, 1875			8	645
165, 957	Same..... Carriage-wheel fender	Jan. 20, 1875	691	228	7	141
	Shogren, Hans, Portland, Ore. Bench-plane.	July 20, 1875	743	227	8	135
	Sholl, Christian, Mount Joy, Pa. Hinge	July 27, 1875	824	2:3	8	158
	Sholty, Henry F. (See Kleckner, John A., assignor.)					
	Shoemaker, Bernard. (See Lamas, John R., assignor.)					
162, 958	Shontz, Absalom S., assignor to Comstock, Castle & Co., Quincy, Ill. Stove-door handle.	May 4, 1875	210	67	7	774
158, 534	Shoos, James D., assignor of one-half interest to Robert Colwell, Horseheads, N. Y. Bucket for chain pumps	Jan. 5, 1875	160	54	7	31
162, 424	Shorey, Samuel W., Boston, Mass. Seam for leather-work	Apr. 20, 1875	778	253	7	690
163, 270	Same..... Mode of attaching buttons	May 11, 1875	513	167	7	821
168, 932	Short, James, New Brunswick, N. J. Yarn-printing machine	Oct. 19, 1875	593	196	8	665
169, 031	Short, William E., Tallula, Ill. Windmill-power	Oct. 19, 1875	703	232	8	679
	Shurtlidge, Horace M., et al. (See Waitt, George W., assignor.)					
170, 311	Shotwell, John L., Welland, Canada. Washing-machine	Nov. 23, 1875	983	308	8	887
170, 779	Shouts, Richard M., New York, N. Y. Drop-light	Dec. 7, 1875	114	36	8	965
170, 906	Shourds, David H., Philadelphia, Pa. Demijohn for containing malt-liquors	Dec. 7, 1875	221	76	8	980
160, 845	Shrader, Charles D., assignor to self and Allen R. Bushnell, Lancaster, Wis. Harvester	Mar. 16, 1875	561	182	7	443
158, 748	Shrawder, John S., Fairview Village, Pa. Washing-machine	Jan. 12, 1875	262	124	7	75
158, 445	Shrock, Edward S., Lincoln, Ill. Blind-stop	Jan. 5, 1875	80	28	7	26
	Shroeder, Isaac L., et al. (See Ker, William W., assignor.)					
163, 537	Shuey, William H., assignor to David C. Price, Saint Paul, Minn. Circus-seat	May 18, 1875	779	247	7	872
8, 269	Shults, Byron G., Johnstown, N. Y. Gauntlet. (Design)	Mar. 16, 1875			7	427
8, 659	Same..... Gauntlet-box. (Design)	Sept. 21, 1875			8	475
168, 793	Shultz, Samuel, Moscow, Ky. Hamc	Oct. 21, 1875	454	146	8	637
169, 487	Shuman, Charles, Red Oak, Iowa. Neck yoke	Nov. 2, 1875	148	48	8	755
162, 710	Shupe, Eli, Middleville, Mich. Cultivator	Apr. 27, 1875	1055	336	7	733
170, 689	Shute, Samuel E., jr., Richmond, Ind. Machine for threading and inserting wire	Dec. 7, 1875	34	10	8	955
169, 379	Sibert, Cicero, Indianapolis, Ind. Gong attachment for releasing horses in engine-houses	Nov. 2, 1875	58	17	8	742
	Sibley, Gideon. (See Williams, Alfred, assignor.)					
168, 190	Sibley, Josiah. (See Paul & Sibley.)					
166, 942	Sibley, Lewis, Ramapo, N. Y. Car-coupling	Sept. 28, 1875	779	248	8	540
161, 711	Sibley, Lorenzo D., Vineland, N. J. Stereoscope	Aug. 24, 1875	746	231	8	830
162, 959	Sickels, Frederic E., Swarthmore, Pa. Compound steam-engine	Apr. 6, 1875	101	36, 37	7	584
	Sickels, George B., assignor to Frank Sturges & Co., Chicago, Ill. Pocket cooking apparatus	May 4, 1875	210	67, 68	7	774
171, 182	Sidebotham, James, Cairo, Egypt. Car-axle-box lubricator	Dec. 14, 1875	498	165	8	1024
168, 794	Sidle, John A., Comstock, Mich. Button-hole cutter	Oct. 11, 1875	455	148	8	637
158, 555	Sidman, Henry L., Jersey City, N. J. Bearings for car-axes	Jan. 5, 1875	161	55	7	31
	Siebert, Albert. (See Smiley & Siebert.)					
6, 458	Siecke, Charles A., assignor to self and Augustus Wannack, New York, N. Y. Cigar-box. (Reissue)	May 25, 1875	1069	337	7	918
158, 604	Siedler, Charles, New York, N. Y. Plug-tobacco	Jan. 12, 1875	239	81	7	58
	Sieg, R. (See Robert, Julius, assignor.)					
166, 641	Siegmán, John H., Baltimore, Md. Compound for polishing and coating coffee	Aug. 10, 1875	436		8	269
153, 712	Siemens, Charles W., Westminster, England. Manufacture of iron and steel	Feb. 9, 1875	442	148	7	254
161, 561	Siemens, Ernst W., and Carl L. Frischen, Berlin, Germany. Electrical railway-signal-ing apparatus	Mar. 30, 1875	1251	{ 403 404 279 280 }	7	551
162, 501	Siercks, Charles F. A., Chicago, Ill. Upholstering apparatus	Apr. 27, 1875	874		7	710
169, 198	Sieveking, Johann P., Altona, Prussia. Treating quicksilver-ore	Oct. 26, 1875	855		8	709
161, 830	Sights, Casper B., La Harpe, Ill. Corn-stalk cutter	Apr. 6, 1875	211	71	7	599
161, 450	Sigwalt, John, jr., Chicago, Ill. Hand-stamp	Mar. 30, 1875	1143	369	7	536
168, 350	Same..... Mechanism for transmitting motion from treadles to revolving shafts	Oct. 5, 1875	27	11	8	568
170, 407	Silber, Albert M., London, England. Gas-burner	Nov. 23, 1875	1071	{ 337 338 }	8	899
168, 112	Silberman, Henry, New York, N. Y. Lock for cigar-boxes	Sept. 28, 1875	706	223	8	529
161, 359	Siler, Henry H., and Thomas A. Brooks, Saint Lawrence, assignors to selves and James D. Brooks, Raleigh, N. C. Apple slicer and corer	Mar. 30, 1875	1058	344	7	525
	Silliman, James P. (See Dunn & Silliman.)					
	Silsby, H. C. (See Dewing & Wickes, assignors.)					
160, 357	Silsby, Isaac, Georgetown, D. C. Refrigerator	Mar. 2, 1875	89	33	7	361
165, 691	Silva, Albert P., Russell B., Merriam, and Edwin Sedgwick, Binghamton, N. Y. Burglar-alarm	July 20, 1875	556	170	8	109
	Silver, Ann. (See Silver, William H., assignor.)					
166, 642	Silver, Hugh A., London, England. Covering for gun-barrels	Aug. 10, 1875	437	135	8	269
167, 701	Same..... Elastic butt-plate for fire-arms	Sept. 14, 1875	294	93	8	455
159, 285	Silver, Lovorn B., Cleveland, Ohio. Combined chimney and ventilator	Feb. 2, 1875	38	14	7	190
164, 491	Silver, William H., Saint Louis, Mo., assignor to Ann Silver. Churn-dasher	June 15, 1875	628	203	7	1014
161, 166	Simison, Hugh A., Greenfield, O. Churn	Mar. 23, 1875	857	280	7	491
	Simmons & Son, George W. (See Spear, James E., jr., assignor)					
161, 639	Simmons, George P., and Johan Franz, Cambridge, Mass. Quilting-frame	Apr. 6, 1875	45	17	7	575
160, 288	Simmons, James W., East Montoc, Wis. Churn	Mar. 2, 1875	28	11	7	353
	Simmons, Stephen A. (See Elliott, Fellows & Simmons.)					
	Same..... (See Glidden & Simmons.)					
169, 856	Simmons, William W., Derby, Conn. Carriage-axle	Nov. 9, 1875	538	168	8	811
	Simmons, Zachariah E., et al. (See Cook, Thomas, assignor.)					
169, 199	Simms, Alonzo H., Nixburg, Ala. Seed and guano distributor	Oct. 26, 1875	855	278	8	709
	Simms, Joseph L. (See Duvall, William T., assignor.)					
8, 849	Simon, Bernard, Scranton, Pa. Bottle. (Design)	Dec. 14, 1875			8	988
	Simon, Robert. (See Seebas & Simon)					
161, 712	Simon, Simon B., New York, N. Y. Watch case	Apr. 6, 1875	103	37	7	524
167, 361	Simonds, Alonzo B., New York, N. Y. Carbon paper	Aug. 31, 1875	1151	362	8	394
169, 736	Simonds, George F., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Tempering and forming articles of steel	Nov. 9, 1875	414	132	8	797
163, 416	Simonds, Joseph A., Washington, N. H. Tool for kitchen use	May 18, 1875	663	212	7	857
	Simonds Manufacturing Company. (See Simonds, George F., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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160, 602	Simonda, Nathaniel G., Boston, Mass. Conveyer for grain.....	Nov. 9, 1875	341	108	8	787
	Simonds, William E., et al. (See Chapman, Luke, assignor.)					
	Simouin, Charles F. A. (See Adamson & Simouin).....(Reissue.)					
160, 621	Simons, Albert D., Windsor, Conn. Combined horse-hoe and plow.....	Mar. 9, 1875	339	114	7	406
169, 303	Simons, Henry M., Charleston, S. C. Packing box and crate.....	Oct. 26, 1875	955	309	8	722
170, 455	Simonsen, Monroe L., East Rush, N. Y. Curry-comb.....	Nov. 30, 1875	1129	356	8	916
162, 701	Simouson, Sigmond, Bridgeport, Conn. Cigar-mold fastening.....	Apr. 27, 1875	1055	336	7	733
166, 154	Same..... Cigar-mold.....	July 27, 1875	1015	313	8	185
169, 458	Simontou, Jacob, Clarinda, Iowa. Billiard-chalk holder.....	Nov. 2, 1875	149	48	8	755
165, 692	Simpson, Charles C., Santa Clara, assignor of one-half interest to Charles J. Martin, San José, Cal. Chisel for stone-cutting.....	July 20, 1875	557	170	8	109
	Simpson, Hall, Miller & Co. (See Hawkins, Westel E., assignor.)					
	Same..... (See Vasseur, Herman, assignor)..... (Design.)					
169, 122	Simpson, James W., assignor of one-half interest to Morgan J. Simpson, Dry Ridge, Ky. Seed-planter.....	Oct. 26, 1875	793	257	8	699
168, 677	Simpson, J. Forrester, Philadelphia, Pa. Trunk-fastening.....	Oct. 11, 1875	351	115	8	622
160, 358	Simpson, John, assignor to Dick & Church, Meadville, Pa. Reversing-link for steam-engines.....	Mar. 2, 1875	90	33	7	361
	Simpson, John B., et al. (See Ryan, William M., assignor.)					
166, 643	Simpson, Joseph, Newark, Ohio. Cigar-mold press.....	Aug. 10, 1875	437	135	8	269
	Simpson, M., et al. (See Finley, James R., assignor.)					
	Simpson, Michael H. (See Leavitt, Albert, assignor.)					
	Simpson, Morgan J. (See Simpson, James W., assignor.)					
167, 414	Sims, David, and John Hesick, Leavenworth, Kans. Wheat steamer and equalizer.....	Sept. 7, 1875	32	9	8	411
164, 942	Sims, Gardiner C., assignor to J. C. Hoadley Company, Lawrence, Mass. Governor for steam-engines.....	June 29, 1875	1067	344	7	1108
	Sinclair, Andrew. (See Mason & Sinclair.)					
167, 029	Sinclair, Charles, New York, N. Y. Hat.....	Aug. 24, 1875	829	258	8	342
159, 227	Sinclair, Heman B., Chicago, Ill. Folding table.....	Jan. 26, 1875	856	279	7	164
164, 401	Sinclair, James A., Bridgeport, Ohio, assignor to Abram Lash and Adoniram D. Newland, Grate-bar.....	June 15, 1875	546	179	7	1024
	Sinclair, John M. (See Mason & Sinclair.)					
	Sinclair Rectifying Machine Company. (See Sinclair, Thomas R., assignor.)					
163, 814	Sinclair, Thomas R., New York, N. Y. Apparatus for filtering liquids.....	May 25, 1875	1031	326	7	913
165, 377	Sinclair, Thomas R., Brooklyn, N. Y. Liquid-filtering apparatus.....	July 6, 1875	217	65	8	38
169, 857	Same..... Apparatus for filtering liquids.....	Nov. 9, 1875	538	{ 168 } { 169 }	8	811
171, 055	Sinclair, Thomas R., assignor to Sinclair Rectifying Machine Company, New York, N. Y. Apparatus for filtering liquids.....	Dec. 14, 1875	377	124	8	1008
171, 056	Sinclair, Thomas R., Brooklyn, assignor to Sinclair Rectifying Machine Company, New York, N. Y. Apparatus for filtering liquids.....	Dec. 14, 1875	379	{ 125 } { 126 }	8	1008
171, 439	Sinclair, Thomas R., N. Y. Packing-filter.....	Dec. 21, 1875	761	251	8	1067
171, 635	Sinclair, Thomas R., assignor to Sinclair Rectifying Machine Company, New York, N. Y. Filter.....	Dec. 28, 1875	979	317	8	1105
167, 900	Singer, Christian G., Pennville, Pa. Knife-scouring machine.....	Aug. 31, 1875	1012	315	8	375
164, 108	Singer, Edgar C., Marlin, Tex. Brick-mold.....	June 8, 1875	261	89	7	977
6, 752	Singer, Jacob, assignor of one-half interest to Robert L. Muench, Harrisburgh, Pa. Car-coupling.....(Reissue.)	Nov. 16, 1875	833	261	8	858
166, 563	Singer, Jacob, Harrisburgh, Pa. Car-coupling.....	Aug. 10, 1875	366	112	8	259
	Singer, John W., et al. (See Shelenberger, Amos, assignor.)					
	Singer Manufacturing Company. (See Bolton, James, assignor.)					
	Singerly, William M. (See Freeman, Albert A., assignor.)					
163, 538	Sinibaldi, George R. F. (See Sinibaldi, Pierre and George R. F.)					
	Sinibaldi, Pierre, Paris, France, and George R. F. Sinibaldi, London, England; said George R. F. assignor, by mesne assignments, to said Pierre. Storage and delivering tank for explosive and inflammable oils.....	May 18, 1875	779	247	7	872
167, 575	Sinsz, Philip, Baltimore, Md. Glazier's diamond.....	Sept. 7, 1875	172	54	8	430
161, 286	Sinzheimer, Alexander, Philadelphia, Pa. Shirt-boson.....	Mar. 23, 1875	974	318	7	506
				{ 114 }		
				{ 115 }	7	406
160, 622	Sipes, Robert H., Everett, Pa. Grave-cover and monument.....	Mar. 9, 1875	339	115	7	406
165, 622	Same..... Grave-cover.....	July 13, 1875	482	146	8	83
159, 614	Sirmans, Benjamin J., Blackshear, Ga. Car-coupling.....	Feb. 9, 1875	354	117	7	241
168, 849	Sirret, Emile, Buffalo, N. Y. Muff-block former.....	Oct. 19, 1875	516	169	8	654
6, 496	Sisum, William H. H., Newark, N. J. Belt-shifter.....(Reissue.)	June 22, 1875	1011	327	7	1093
162, 200	Same..... Steam drop-press.....	Apr. 20, 1875	564	185	7	664
163, 698	Sitton, James Y., Due West, S. C. Felly-plate.....	May 25, 1875	931	296	7	900
167, 945	Siver, Simon P., and George H. Swords, Fishkill Landing, N. Y. Hat-brushing machine.....	Sept. 21, 1875	523	167	8	497
160, 063	Sivey, De Witt C., Greenfield, Ind. Extension-table slide.....	Feb. 23, 1875	807	265	7	315
162, 862	Skelton, Thomas, Milwaukee, Wis. Horseshoe.....	May 4, 1875	116	38	7	762
167, 576	Skidmore, Darius, Seneca Falls, N. Y. Hinge.....	Sept. 7, 1875	172	54	8	430
162, 702	Skidmore, William D., Mount Vernon, N. Y. Latch for gates.....	Apr. 27, 1875	1056	337	7	733
167, 577	Same..... Can-opener.....	Sept. 7, 1875	173	55	8	430
159, 713	Skillen, Henry E., Pownal, Mo., assignor to Charles A. Shaw, Boston, Mass. Hay-press.....	Feb. 9, 1875	445	149	7	254
167, 129	Skinner, Carlos, Waterloo, Canada. Drum-heater.....	Aug. 24, 1875	925	288	8	355
162, 199	Skinner, Daniel M., assignor to self and Ezra Gould, Sandwich Centre, N. H. Plate-lifter.....	Apr. 20, 1875	564	185	7	663
	Skinner, D. C., et al. (See Lowe, Austin, assignor.)					
158, 811	Skinner, Elias, Grand Rapids, Mich. Locking-latch.....	Jan. 19, 1875	444	148	7	101
	Skinner, Thomas E., et al. (See Lowe, Austin, assignor.)					
164, 777	Sladdin, Joseph, Lawrence, Mass. Loom-harness.....	June 22, 1875	887	289	7	1078
171, 183	Slade, Frederick J., Trenton, N. J. Manufacture of steel.....	Dec. 14, 1875	490	.....	8	1024
168, 191	Slaney, John M., assignor to Jesse W. Starr and Jesse W. Starr, jr., Camden, N. J. Tar-gate for hydraulic main in gas-works.....	Sept. 28, 1875	780	248	8	540
	Slater, George B., et al. (See Brette & Lindsey, assignors.)					
171, 057	Slater, Horatio N., Webster, Mass. Flocking cloth.....	Dec. 14, 1875	382	.....	8	1008
	Slater, J. T., et al. (See Eichmann, Frederick H., assignor.)					
165, 378	Slater, Sarah, assignor to self, Henry W. Gray, and Moses Smiley, Philadelphia, Pa. Compound for welding, hardening and tempering steel.....(Reissue.)	July 6, 1875	218	.....	8	38
	Slawson, John B. (See Tupper, Horace, assignor.)					
158, 749	Slawson, John B., New York, N. Y. Street-car platform.....	Jan. 12, 1875	262	124	7	75
168, 351	Slaymaker, William A., Louisville, Ky. Opera chair.....	Oct. 5, 1875	28	11	8	569
161, 287	Slayton, Augustus W., Tecumseh, Mich. Cutter-head.....	Mar. 23, 1875	975	319	7	507
168, 293	Sleicher, William, jr., Troy, N. Y. Melting and treating iron.....	Sept. 28, 1875	868	278	8	532
163, 337	Slemmer, Frank G., and George O. Clark, Philadelphia, Pa. Manufacture of leather belting.....	May 18, 1875	597	.....	7	849
171, 536	Slemmons, John O., Pittsburgh, Pa. Remedy for pulmonary diseases.....	Dec. 28, 1875	871	.....	8	1090

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138, 750	Stichter, Joseph D., assignor to Louisa Bradford, Reading, Pa. Grate	Jan. 12, 1875	263	124	7	75
139, 360	Stichter, Joseph D., Reading, Pa. Grate for stoves	Feb. 2, 1875	108	37	7	199
139, 361	Same. Grate	Feb. 2, 1875	109	38	7	199
162, 703	Sloan, Andrew J., et al. (See Heald, Alfred, assignor)	(Design.)				
162, 704	Sloan, Crawford M. (See Grow & Sloan)					
162, 703	Sloan, Daniel, New York, N. Y. Gas-regulator	Apr. 27, 1875	1057	337	7	733
164, 881	Same. same	Apr. 27, 1875	1057	337	7	733
168, 352	Sloan, Edward, Trenton, Mich. Planking set for ship-carpenters	June 22, 1875	992	320	7	1091
168, 352	Sloan, Thomas J., New York, N. Y. Apparatus for thawing frozen water-pipes	Oct. 5, 1875	29	11	8	569
168, 353	Same. Implements for thawing frozen water-pipes	Oct. 5, 1875	30	12	8	569
165, 885	Sloan, William D., New York, N. Y. Accountant's hand-rest	July 20, 1875	743	227	8	135
162, 317	Sloat, Frank D. (See Smith, Alfred E., assignor)	(Reissue.)				
163, 417	Sloat, Henry R., Sloatsburgh, N. Y. Wrench	Apr. 20, 1875	671	219	7	677
6, 563	Slusser, Benjamin, assignor to Norman Du Bois and A. F. Koop, Sidney, Ohio. Sulky-plow	July 27, 1875	1047	322	8	189
159, 462	Slusser, Benjamin, Sidney, Ohio. Car-coupling	Feb. 2, 1875	209	67	7	213
166, 312	Same. Dumping-car	Ang. 3, 1875	117	36	8	216
158, 667	Small, Addison, Portland, Me. Shirt-bosom	Jan. 19, 1875	495	166	7	108
170, 599	Small, Adoniram J., Woodstock, Canada. Barrel-lifting machine	Nov. 30, 1875	1269	399	8	934
169, 304	Small, Daniel J., et al. (See Reed, William H., assignor.)					
159, 773	Small, Freeman L., Houlton, Me. Car-coupling	Oct. 26, 1875	956	310	8	722
161, 167	Small, Herbert M., Waltham, Mass. Deodorizer for bed-vessels	Feb. 16, 1875	520	173	7	269
162, 201	Small, William, McKeesport, Pa. Bottom for welding and heating furnaces	Mar. 23, 1875	858		7	492
162, 201	Small, Jasper A., Boston, Mass. Stamp for embossing or printing	Apr. 20, 1875	566	186	7	664
168, 422	Smeaton, Robert, Milwaukee, Wis. Anti-freezing hydrant	Oct. 5, 1875	91	32	8	578
169, 489	Smeaton, Robert G., Chicago, Ill. Stop-cock	Nov. 2, 1875	149	49	8	755
161, 908	Smedley, John D., New York, N. Y. Cooking-stove	Apr. 13, 1875	291	98	7	622
165, 623	Smethells, John F., Chicago, Ill. Bilge-pump	July 13, 1875	482	147	8	83
162, 960	Smiley, Moses, et al. (See Slater, Sarah, assignor.)					
6, 362	Smilie, Thomas W., and Albert Siebert, Washington, D. C. Stereoscopic-print cutter	May 4, 1875	212	68	7	775
170, 911	Smillie, Dorrance & Edge. (See Edge, William C., assignor.)					
170, 911	Smith, Aaron F., Lynn, Mass., assignor, to Lyman A. May, A mos E. Withey, and Henry L. Drake. Apparatus for drying shoe-soles	Mar. 30, 1875	1294	315	7	556
161, 071	Smith, Aaron W., Manchester, N. H. Horseshoe	Dec. 7, 1875	226	78	8	981
165, 128	Smith, Abel B. (See Woolridge, John, assignor.)					
167, 948	Smith, Adolph T. (See Hinds & Smith.)					
6, 694	Smith, Albert C., assignor of two-thirds interest to Moritz Morris and S. H. Craig, Fort Madison, Iowa. Suspender, belt, or garter fastening	Mar. 23, 1875	767	253	7	480
6, 695	Smith, Albert C., assignor of one-half interest to Theo. S. Jackson, Fort Madison, Iowa. Corn-stalk cutter	June 29, 1875	1224	394	7	1129
158, 536	Smith, Albert J., et al. (See Mackinney, Herbert G., assignor.)					
166, 649	Smith, Albert K., Nebraska, Ohio. Oscillating joint for pitman-connections	Sept. 21, 1875	525	168	8	497
165, 036	Smith, Alfred E., Bronxville, N. Y., assignor to Frank D. Sloat, Middletown, Conn. Carriage-axle	Oct. 11, 1875	486	158	8	641
163, 031	Same. same	Oct. 11, 1875	487	158	8	641
165, 036	Smith, Algernon W., Lexington, Mo. Flour-sifter	Jan. 5, 1875	161	55	7	31
163, 031	Smith, Almon J., assignor to Oliver D. Draper and Thomas Tucker, Ortonville, Mich. Snow-plow	Ang. 10, 1875	442	136	8	270
165, 036	Smith, Alpheus K., et al. (See Owen, Daniel E., assignor.)					
163, 031	Smith, Amos, Bangor, Me. Anchor	June 29, 1875	1142	369	7	1118
163, 031	Smith, Amos M., Chicago, Ill. Station-indicator	May 11, 1875	295	95	7	793
169, 737	Smith & Co., James. (See Proctor, Josiah K., assignor.)					
159, 973	Smith & Co., H. D. (See Ward, William S., assignor.)					
164, 049	Smith & Griggs Manufacturing Company. (See Lines, John, assignor.)					
165, 767	Smith & Sons, Alexander. (See Allan, Robert, assignor.)	(Design.)				
168, 796	Smith & Sons Carpet Company, Alexander. (See Petit, Eugene, assignor.)	(Design.)				
170, 497	Smith, Andrew, and John S. Roy, Sheridan, Nev. Washing-machine	Nov. 9, 1875	416	132	8	797
167, 477	Smith, Andrew A., Georgetown, Colo. Wireway	Feb. 16, 1875	702	{ 233 234 }	7	293
6, 764	Smith, Andrew H., et al. (See Davies, Henry J. and Walter D., assignors.)					
167, 477	Smith, Andrew H., New York, N. Y. Car-starter	June 1, 1875	183	65	7	956
168, 796	Smith, Andrew L., Geneva, N. Y. Gas and water regulator	July 20, 1875	622	191	8	119
163, 339	Smith, Andrew V. S., Washington, D. C. Pocket blank-book	Oct. 11, 1875	457	149	8	637
160, 359	Smith, Annie K., Geddes, assignor of one-half interest to Alvah Sweetland, Memphis, N. Y. Hair-switch	Nov. 30, 1875	1170	369	8	921
161, 170	Smith, Archibald, Omaha, Nebr. Car-coupling	Sept. 7, 1875	84	26	8	412
162, 861	Smith, Augustus P., Sterling, Ill. Mitten	Nov. 23, 1875	1102	346	8	904
167, 477	Smith, C. H. (See Douglass, William H., assignor.)					
165, 958	Smith, Charles, et al. (See Boyd, John, assignor.)					
168, 057	Smith, Charles A., Lebanon, Mo. Millstone-dressing machine	July 27, 1875	825	253	8	158
161, 640	Smith, Charles A., assignor of one-half interest to David Hoffer, Philadelphia, Pa. Shutter-fastener	Sept. 21, 1875	631	202	8	512
165, 690	Smith, Charles B., Cleveland, Ohio. Coffee-pot	Apr. 6, 1875	45	17	7	575
167, 131	Smith, Charles D., Boston, Mass. Steam-boiler furnace	July 20, 1875	555	169	8	169
165, 262	Same. Exhaust mechanism	Ang. 24, 1875	926	289	8	356
162, 318	Smith, Charles E. (See Dodge & Smith.)					
168, 113	Smith, Charles E., Lowell, Mass. Bench-book	July 6, 1875	110	33	8	24
163, 339	Smith, Charles H., Faribault, Minn. Window-washer	Apr. 20, 1875	671	219	7	677
160, 359	Smith, Charles M., Boston, Mass. Picture-hanger	Sept. 28, 1875	706	223	8	529
161, 170	Smith, Charles T. (See Smith, Samuel M. and Charles T.)					
162, 861	Smith, Charles V., and William Farmer, New York, N. Y. Apparatus for purifying illuminating-gas	May 18, 1875	598	191	7	849
162, 861	Smith, Chester F., Torrington, Conn. Clothes-frame	Mar. 2, 1875	91	33	7	362
162, 861	Smith, Clark, assignor to self and William H. Clark, Cornwall on the Hudson, N. Y. Chain-propeller	Mar. 23, 1875	861	281	7	492
162, 861	Smith, Daniel. (See Wagstaff, John C., assignor.)					
167, 201	Smith, David, Johnstown, N. Y. Sleigh-shaft attachment	May 4, 1875	115	37	7	762
162, 961	Smith, David, Albany, N. Y. Fuel cut-off for magazine-stoves	Ang. 31, 1875	1013	315	8	375
162, 962	Smith, David B., Bastrop, La. Steak-cooking pan	May 4, 1875	212	68	7	775
162, 962	Same. Plow	May 4, 1875	213	68	7	775

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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161, 451	Smith, David H., Saint Louis, Mo. Cut-off for steam-engines.....	Mar. 30, 1875	1144	369	7	536
160, 551	Smith, Dexter, Springfield, Mass. Revolving fire-arm.....	Mar. 9, 1875	278	94	7	397
163, 032	Same..... same.....	May 11, 1875	296	95	7	793
17-, 059	Same..... same.....	Dec. 14, 1875	283	126	8	1008
162, 863	Smith, Dexter, and Joseph C. Marshall, Springfield, Mass. Revolving fire-arm.....	May 4, 1875	116	38	7	762
167, 947	Smith, Dwight L., assignor to Waterbury Buckle Company, Waterbury, Conn. Buckle	Sept. 21, 1875	525	168	8	497
6, 807	Smith, Earie H., New York, N. Y., assignor to Margurite E. R. Smith. Sewing-machine. (Reissue).....	Dec. 14, 1875	548	179	8	1030
169, 305	Smith, Edgar B., Albany, N. Y. Refrigerator.....	Oct. 26, 1875	957	310	8	722
169, 306	Same..... same.....	Oct. 26, 1875	959	{ 310 } { 311 }	8	722
165, 959	Smith, Edward, and E. Chapman Maltby, Northford, Conn., assignors to E. Chapman Maltby. Machine for pating cocoanut-meats.....	July 27, 1875	826	254	8	158
170, 910	Smith, Edward Q., Evansville, Ind. Machine for bending wood.....	Dec. 7, 1875	225	77	8	981
166, 943	Smith, Elias, Bloomington, Ill. Cattle-alarm for locomotives.....	Aug. 24, 1875	748	{ 231 } { 232 }	8	331
6, 363	Smith, Elihu, Albany, N. Y., assignor to Samuel H. Ransom, trustee. Stove. (Reissue).....	Mar. 30, 1875	1295	315	7	556
168, 534	Smith, Elihu, Albany, N. Y. Heating-stove.....	Oct. 5, 1875	197	64, 65	8	592
169, 052	Smith, Elihu, assignor to Samuel H. Ransom, trustee, Albany, N. Y. Stove and furnace	Oct. 19, 1875	704	233	8	679
	Smith, Elizabeth, administratrix. (See Smith, George, sr.)					
	Smith, Ephraim K. (See Fagley, John S., assignor.)					
162, 319	Smith, Erasmus, Norwich, N. Y. Insertible saw-teeth.....	Apr. 20, 1875	672	219	7	677
161, 168	Smith, Erastus W., New York, N. Y. Boiler-covering.....	Mar. 23, 1875	859	250	7	492
171, 440	Same..... Water-pipe.....	Dec. 21, 1875	762	251	8	1067
167, 794	Smith, Eugene, Philadelphia, Pa. Scroll-sawing machine.....	Sept. 14, 1875	382	132	8	467
161, 641	Smith, Ferdinand A., Portland, Oreg. Scuttle-elevator.....	Apr. 6, 1875	46	17	7	575
	Smith, Francis H., deceased, by Marshall T. Smith, executor, Baltimore, Md. Drying fruit, vegetables, &c..... (Extension).....	Feb. 25, 1875	.....	.....	7	515
171, 058	Smith, Frank E., San José, Cal. Reversible center-pinion for watches.....	Dec. 14, 1875	382	126	8	1008
	Smith, Frank J. (See Dolph & Smith.)					
	Smith, Frank L. (See Brear, Abel, assignor.)					
	Smith, Frank S., et al. (See Clark, Joseph, assignor.)					
	Smith, Frank W. (See Robinson, Smith & Campbell.)					
170, 456	Smith, Fred D., Davenport, Iowa. Scroll-sawing machine.....	Nov. 30, 1875	1130	356	8	916
164, 943	Smith, Frederick B., Washington, D. C. Tailor's measure.....	June 29, 1875	1068	344	7	1108
	Smith, Friend W. (See Kinsman & Smith.)					
	Smith, Friend W., et al. (See Hotchkiss, Arthur E., assignor.)					
158, 991	Smith, Friend W., Bridgeport, Conn. Game apparatus.....	Jan. 19, 1875	617	205	7	124
160, 723	Smith, Friend W., and Frederick Egge, Bridgeport, Conn. Hasp.....	Mar. 9, 1875	431	143	7	419
168, 795	Same..... Blasting-cartridge.....	Oct. 11, 1875	456	149	8	637
170, 600	Same..... same.....	Nov. 30, 1875	1269	400	8	934
171, 441	Smith, Friend W., and Frederick Egge, Bridgeport, Conn., assignors to Paul A. Oliver, Wilkesbarre, Pa. Blasting-cartridge.....	Dec. 21, 1875	763	251	8	1067
8, 224	Smith, Garretson, and Henry Brown, Philadelphia, assignors to Sheeler, Buckwalter & Co., Royer's Ford, Pa. Stove-plate..... (Design).....	Mar. 23, 1875	.....	.....	7	466
8, 336	Same..... Heating-stove..... (Design).....	May 18, 1875	.....	.....	7	837
	Smith, George, administrator. (See Smith, George, sr.)					
166, 644	Smith, George, sr., deceased, by George and Elizabeth Smith, administrators, Cincinnati, Ohio. Cream-dropping machine for confectionery.....	Aug. 10, 1875	438	135	8	269
170, 643	Smith, George, Brooklyn, N. Y. Cartridge.....	Nov. 30, 1875	1308	413	8	940
160, 846	Smith, George B., Philadelphia, Pa. Apparatus for preserving wood.....	Mar. 16, 1875	562	182	7	443
	Smith, George E. (See Freeman & Smith.)					
6, 331	Smith, George F., Plantsville, Conn. Thill-coupling..... (Reissue).....	Mar. 9, 1875	462	152	7	422
6, 558	Smith, George K., Waterloo, Iowa, assignor, by mesne assignments, of one-half interest to George W. Miller. Composition-metal for casting plows..... (Reissue).....	July 27, 1875	1043	.....	8	188
161, 169	Smith, George K., Waterloo, Iowa. Casting chilled mold-boards, &c..... (Reissue).....	Mar. 23, 1875	860	251	7	492
6, 619	Smith, George T., Minnesota City, and Aaron Smith, Hastings, Minn. Flour-bolt (Reissue).....	Aug. 24, 1875	963	300	8	360
152, 992	Smith, George T., Minneapolis, Minn. Middlings-purifier.....	Jan. 19, 1875	618	205	7	124
164, 050	Same..... Flour-dressing machine.....	June 1, 1875	184	65, 66	7	956
166, 419	Smith, George T., Minnesota City, Minn. Millstone-dress.....	Aug. 3, 1875	221	67	8	230
169, 858	Smith, George T., Saint Louis, Mo. Millstone-staff.....	Nov. 9, 1875	541	169	8	812
170, 120	Same..... Millstone.....	Nov. 16, 1875	787	250	8	853
165, 263	Smith, Gerritt, Astoria, N. Y. Duplex telegraph.....	July 6, 1875	111	33	8	24
160, 793	Smith, Gilbert, San Francisco, Cal. Chafing-iron for vehicles.....	Mar. 16, 1875	521	168	7	437
	Smith, Guilford. (See Hatch & Smith.)					
166, 646	Smith, Hamilton E., New York, N. Y. Clothes-washer.....	Aug. 10, 1875	440	136	8	269
166, 647	Same..... Ironing apparatus.....	Feb. 10, 1875	440	136	8	269
166, 648	Same..... same.....	Aug. 10, 1875	441	136	8	270
167, 580	Same..... Ironing apparatus.....	Sept. 7, 1875	176	55	8	431
170, 907	Same..... Lubricating journal-box.....	Dec. 7, 1875	222	76	8	980
	Smith, Heman S. (See Granger & Smith.)					
170, 908	Smith, Heman S., Brooklyn, assignor of one-half interest to Alanson T. Briggs and William H. Thrall, New York, N. Y. Barrel-polishing machine.....	Dec. 7, 1875	222	77	8	980
	Same..... Barrel-shaping machine.....	Dec. 7, 1875	223	77	8	981
170, 909	Smith, Henry, Westminster, England. Candle-holder.....	Mar. 30, 1875	1059	344	7	525
161, 360	Smith, Henry, assignor to Charles Parker, Meriden, Conn. Drill for drilling metals.....	June 15, 1875	722	235	7	1047
164, 604	Smith, H. Eugene. (See Shaw & Smith.)					
161, 361	Smith, Horatio M., assignor of two-thirds interest to Moses W. and Franklin Lester, Chicago, Ill. Furnace for steam-generators.....	Mar. 30, 1875	1059	345	7	525
164, 402	Same..... Furnace.....	June 15, 1875	547	179	7	1024
164, 403	Same..... Steam-boiler furnace.....	June 15, 1875	548	179	7	1024
164, 404	Same..... Furnace.....	June 15, 1875	550	180	7	1024
165, 766	Smith, Horatio M., Chicago, Ill. Barrel-head.....	July 20, 1875	621	191	8	119
167, 579	Same..... Furnace.....	Sept. 7, 1875	174	55	8	431
170, 135	Smith, Horatio M., assignor of two-thirds interest to Moses W. and Franklin Lester, Chicago, Ill. Mail-bag fastening.....	Nov. 23, 1875	881	275	8	873
170, 196	Same..... Steam-generator.....	Nov. 23, 1875	882	276	8	873
170, 197	Same..... Retort for furnaces.....	Nov. 23, 1875	883	276	8	873
170, 198	Same..... Hydrocarbon furnace.....	Nov. 23, 1875	884	276	8	873
170, 199	Same..... Cooking-apparatus.....	Nov. 23, 1875	885	276	8	873
165, 129	Smith, Hugh, Newark, N. J. Treatment of leather.....	June 29, 1875	1225	.....	7	1129
165, 624	Smith, Hugh, Gray, Me. Runner for sleighs.....	July 13, 1875	484	147	8	84
171, 325	Smith, Hugh, and Walter Galbraith, Passumpsic, Vt. Drag-rake handle.....	Dec. 21, 1875	658	216	8	1053
6, 600	Smith, Ira O., assignor of one-half interest to Peter Walker, Muskegon, Mich. Furnace for burning edgings, sawdust, &c..... (Reissue).....	Aug. 17, 1875	715	222	8	317

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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166, 650	Smith, Ira O., and Peter Walker, Muskegon, Mich. Refuse-burner.....	Aug. 10, 1875	443	137	8	270
158, 268	Smith, Isaac, assignor to George A. Chapman, New York, N. Y. Insulating compound.....	Jan. 19, 1875	405	167	7	108
159, 463	Smith, Isaac O. (See Smith, Marvin O., assignor.)					
162, 533	Smith, Isaac T., Richmond, Va. Bale-tie.....	Feb. 2, 1875	209	68	7	213
	Smith, Israel E., assignor of one-half interest to Emanuel K. Leckrone, York, Pa. Churn.....	Oct. 5, 1875	195	64	8	592
	Smith, Jacob. (See Hinchhigh & Smith.)					
167, 478	Smith, Jacob, Chicago, Ill. Sash-pulley.....	Sept. 7, 1875	85	27	8	418
160, 240	Smith, James A., New York, N. Y. Wheel for vehicles.....	Feb. 23, 1875	955	314	8	336
169, 501	Smith, James B., Hepworth, Canada. Car-coupling.....	Oct. 26, 1875	857	279	8	709
161, 171	Smith, James D., Grigg, N. Y. Station-indicator.....	Mar. 23, 1875	861	281	7	492
162, 705	Smith, James D., Washington, D. C. Strainer for wash-basins and bath-tubs.....	Apr. 27, 1875	1038	337	7	733
163, 271	Same..... Needle-board for registering bank-notes and other prints.....	May 11, 1875	514	167	8	821
159, 362	Smith, James L., Tuscola, Ill. Sheep-shears.....	Feb. 2, 1875	110	38	7	199
	Smith, Jane E., et al. (See Rhind, Frank, assignor.)					
165, 768	Smith, Jay W., Philadelphia, Pa. Milk-can.....	July 20, 1875	623	191	8	119
165, 886	Smith, Jeremiah F., Keokuk, Iowa. Peg-cutting machine.....	July 20, 1875	745	228	8	135
162, 202	Smith, Jerome S., Provincetown, Mass. Thill-coupling.....	Apr. 20, 1875	567	186	7	664
	Smith, J. F. (See Fredenburgh, John, assignor.)					
6, 487	Smith, J. Nottingham, Jersey City, N. J. Railway-axle box..... (Reissue).....	June 15, 1875	749	245	7	1052
160, 962	Same..... Seal-lock.....	Mar. 16, 1875	663	216	7	457
161, 069	Same..... Railway-axle box.....	Mar. 23, 1875	763	251	7	480
				252		
161, 070	Same..... Car-axle box.....	Mar. 23, 1875	765	252	7	480
				253		
163, 215	Same..... Bale-tie.....	May 25, 1875	1032	327	7	913
	Smith, John, et al. (See Leach, Matthew, assignor.)					
167, 130	Smith, John, jr., Gloucester, N. J., assignor to George B. Heyl, Philadelphia, Pa. Ex- panding bit for horses.....	Aug. 24, 1875	926	288	8	355
169, 386	Smith, John, Burlington, assignor of one-half interest to P. E. Merrill, Fond du Lac, Wis. Horse-power.....	Nov. 2, 1875	59	17	8	742
170, 121	Smith, John, Conshohocken, Pa. Wringer.....	Nov. 16, 1875	788	250	8	853
	Smith, John A. C. J. (See Murray & Smith.)..... (Design.)					
	Smith, John B. (See Pierce, James D., assignor.)					
	Same..... (See Pierce & Smith.)					
	Smith, John B., et al. (See Pierce, James D., assignor.)					
	Smith, John C. (See Harwood & Smith.)..... (Design.)					
167, 030	Smith, John C., Brooklyn, N. Y. Arithmetical toy block.....	Aug. 24, 1875	830	259	8	342
166, 420	Smith, John D., Schuylville, N. Y. Axle-skein.....	Aug. 3, 1875	222	67	8	230
6, 796	Smith, John E., Waterbury, Conn., assignor to Smith and Griggs Manufacturing Com- pany. Combined hat-holder and check..... (Reissue).....	Dec. 14, 1875	536	176	8	1029
165, 379	Smith, John E., New York, N. Y. Printing-telegraph.....	July 6, 1875	219	66	8	38
167, 031	Smith, John E., Buffalo, N. Y. Sausage-meat mixer.....	Aug. 24, 1875	830	259	8	342
8, 167	Smith, John H., Enfield, assignor to Hartford Carpet Company, Hartford, Conn. Carpet..... (Design.)	Feb. 23, 1875			7	302
8, 168	Same..... same..... (Design.)	Feb. 23, 1875			7	302
8, 169	Same..... same..... (Design.)	Feb. 23, 1875			7	302
8, 170	Same..... same..... (Design.)	Feb. 23, 1875			7	302
8, 171	Same..... same..... (Design.)	Feb. 23, 1875			7	302
8, 172	Same..... same..... (Design.)	Feb. 23, 1875			7	302
8, 173	Same..... same..... (Design.)	Feb. 23, 1875			7	303
8, 174	Same..... same..... (Design.)	Feb. 23, 1875			7	303
8, 175	Same..... same..... (Design.)	Feb. 23, 1875			7	303
8, 176	Same..... same..... (Design.)	Feb. 23, 1875			7	303
8, 546	Same..... same..... (Design.)	July 27, 1875			8	149
8, 547	Same..... same..... (Design.)	July 27, 1875			8	149
163, 539	Smith, John H. and Matthew, Pittsburgh, Pa. Mold for glassware.....	May 18, 1875	781	247	7	872
162, 774	Smith, John H. C. and Nathan B., Saint Elmo, Ill. Car-coupling.....	May 4, 1875	36	12	7	751
164, 047	Smith, John P., and Samuel W. Ficker, Exeter, N. H. Sewing-machine for stitching straw ..... (See Lusby & Smith.)	June 1, 1875	180	64, 65	7	935
163, 612	Smith, John Y., Pitts-burgh, Pa. Car-brake.....	May 25, 1875	863	272	7	890
	Smith, Joseph. (See Tomlinson & Smith.)					
166, 747	Smith, Joseph M., Rochester, N. Y. Saw-gumming machine.....	Aug. 17, 1875	534	164	8	291
8, 384	Smith, Joseph K., assignor to Waterbury Button Company, Waterbury, Conn. Button..... (Design.)	June 8, 1875			7	968
	Smith, Joseph S. (See Davis, James M., assignor.)					
165, 264	Smith, Julian K., Burrillville, R. I. Planing-machine.....	July 6, 1875	112	33	8	24
170, 090	Smith, Lewis F., Macomb, Ill. Draft-equalizer.....	Dec. 7, 1875	35	10	8	955
168, 193	Smith, Luther, Lowell, Mass. Paper-tube machine.....	Sept. 28, 1875	782	248	8	540
	Smith, Marguitta E. R. (See Smith, Earle H., assignor.)					
	Smith, Marshall L. (See Hoopes & Smith.)					
159, 363	Smith, Marshall T., executor. (See Smith, Francis H.)..... (Extension.)					
166, 313	Smith, Martin C., Earlville, Ill. Center-wheel for watches.....	Feb. 2, 1875	110	38	7	199
165, 122	Smith, Matthew. (See Smith, John H. and Matthew.)					
	Smith, Marvin O., assignor to Isaac O. Smith, New Buffalo, Mich. Saw-gummer.....	Aug. 3, 1875	117	36	8	216
	Smith, Minard M., assignor of one-half interest to Lewis C. Tufts, New York, N. Y. Boiler-tube cleaner.....	July 6, 1875	39	11	8	14
166, 418	Smith, Minor, Cayutaville, N. Y. Fruit-gatherer.....	Aug. 3, 1875	221	67	8	230
	Smith, Nathan B. (See Smith, John H. C. and Nathan B.)					
	Smith, Nelson E., administrator. (See Smith, Russell.)					
168, 423	Smith, Oliver C., Rosemond, Ill. Car-coupling.....	Oct. 5, 1875	91	32	8	578
159, 851	Smith, Othniel J., Waawatosa, Wis. Whiffletree-hook.....	Feb. 16, 1875	590	195	7	278
162, 425	Smith, Peter E., Liscome, Iowa. Brick-kiln.....	Apr. 20, 1875	779	253	7	690
	Smith, Preserved. (See Tesseymann, John, assignor.)					
163, 111	Smith, Reuben A., East Weare, N. H. Toilet-bracket.....	May 11, 1875	365	119	7	802
	Smith, R. Frank. (See Mills, Andrew J., assignor.)					
	Smith, R. H., et al. (See Smith, William, assignor.)					
161, 289	Smith, Richard H., assignor to Sarah J. Smith, Baltimore, Md. Soldering-machine.....	Mar. 23, 1875	977	319	7	507
169, 242	Smith, Robert, assignor to self and Charles Littfield, Paterson, N. J. Can-opener.....	Oct. 26, 1875	858	279	8	709
167, 762	Smith, Robert D. O., Washington, D. C. Water-closet.....	Sept. 14, 1875	295	91	8	455
169, 490	Same..... Ventilation of chimneys or close stools.....	Nov. 2, 1875	110	49	8	755
163, 847	Smith, Roland H., and Joshua Goldthorp, Pittsburgh, Pa. Gas-apparatus.....	May 25, 1875	1034	327	7	913
166, 645	Same..... Apparatus for the manufacture of illuminating-gas.....	Aug. 10, 1875	438	135	8	269
6, 405	Smith, Roswell T., Nashua, N. H., assignor to self, John G. Blunt, William Earl, and J. K. Priest. Apparatus for transmitting motive-power..... (Reissue).....	Apr. 27, 1875	1096	347	7	737
163, 338	Smith, Roswell T., Nashua, N. H. Universal joint.....	May 18, 1875	597	191	7	849



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164, 048	Smith Russell, deceased, by Nelson E. Smith, administrator, Richford, Vt. Milk- enoler.....	June 1, 1875	182	65	7	956
162, 583	Smith, Samuel C., Lowell, Mass. Bolt-heading machine.....	Apr. 27, 1875	940	302	7	719
169, 859	Smith, Samuel M. and Charles T., Bradford, England. Dyeing-apparatus.....	Nov. 9, 1875	542	169	8	812
164, 603	Smith, Samuel R. (See Lane & Smith.) Smith, Samuel R., and Edward Myers, assignors to Lane & Bodley, Cincinnati, Ohio. } Automatic brake for elevators.....	June 15, 1875	721	{ 234 235 }	7	1047
163, 893	Smith, Sarah J. (See Smith, Richard H., assignor.)					
163, 893	Smith, Silas G., Hol'is, Me. Track-clearer.....	June 1, 1875	48	16	7	937
167, 112	Smith, Simon, and Isaac S. Collins, Manch Chnuk, Pa. Air-valve for pumps.....	Sept. 28, 1875	781	248	8	540
161, 562	Smith, Sylvester A., Muscatine, Iowa. Awl for shoe-makers.....	Mar. 30, 1875	1256	404	7	551
163, 816	Same..... Milking-tube.....	May 25, 1875	1032	327	7	913
167, 276	Smith, Thomas. (See Hicks & Smith.)					
167, 276	Smith, Thomas T. V., Yarmouth, Nova Scotia. Locomotive-engine.....	Aug. 31, 1875	1076	336	8	384
165, 265	Smith, Tilton E., assignor to self and Charles J. Locker, Attica, Mich. Table-leaf lifter and supporter.....	July 6, 1875	112	33	8	24
163, 611	Smith, True J. (See Latcher & Smith.)					
163, 611	Smith, Uriah, Battle Creek, Mich. Folding seat for school-desks.....	May 25, 1875	863	271	7	890
7, 992	Smith, Valentine H., Philadelphia, Pa. Nursing-bottle..... (Design).....	Jan. 5, 1875			7	5
167, 277	Smith, Watson B. (See Reid, William I., assignor.)					
167, 793	Smith, W. Bell, Charleston, S. C. Chuck for holding eccentrics while being turned.....	Aug. 31, 1875	1077	336	8	384
167, 793	Same..... Cutter-holder for planing-machines.....	Sept. 14, 1875	381	122	8	467
161, 288	Smith, W. D. (See Long, Samuel L., assignor.)					
163, 818	Smith, William. (See Pici, Jacques P., assignor.)					
165, 035	Smith, William, Banard Castle, England. Road-scraper.....	Mar. 23, 1875	976	319	7	507
170, 691	Smith, William, assignor to R. H. Smith and Joshua Goldthorp, Pittsburgh, Pa. Gas- retort.....	May 25, 1875	1034	327	7	914
165, 034	Smith, William, Chicago, Ill. Pneumatic dredger.....	June 29, 1875	1141	368	7	1118
165, 034	Smith, William, Independence, Ky. Spring-equalizer.....	Dec. 7, 1875	35	10	8	955
165, 034	Smith, William B., New York, N. Y. Show-case.....	June 29, 1875	1141	368	7	1118
8, 177	Smith, William F., et al. (See Koussean, David, assignor.)					
8, 178	Smith, William H., et al. (See Fell, Ambrose G., assignor.)					
8, 179	Smith, William H. (See Toucey, Smith & Buchanan.)					
8, 548	Smith, William H., Enfield, assignor to Hartford Carpet Company, Hartford, Conn. Carpet..... (Design).....	Feb. 23, 1875			7	303
8, 549	Same..... same..... (Design).....	Feb. 23, 1875			7	303
8, 549	Same..... same..... (Design).....	Feb. 23, 1875			7	303
8, 549	Same..... same..... (Design).....	July 27, 1875			8	149
8, 549	Same..... same..... (Design).....	July 27, 1875			8	149
161, 068	Smith, William H. L. (See Mason, John B., assignor.)					
8, 056	Smith, William L., San Francisco, Cal. Hydraulic engine.....	Mar. 23, 1875	762	251	7	480
8, 199	Smith, William M., assignor to Meriden Britannia Company, West Meriden, Conn. Coffin-plate..... (Design).....	Feb. 9, 1875			7	223
8, 791	Same..... Coffin-handle..... (Design).....	Mar. 9, 1875			7	387
8, 882	Same..... Coffin-handle base..... (Design).....	Nov. 9, 1875			8	777
167, 578	Same..... Coffin-handle-socket base..... (Design).....	Dec. 28, 1875			8	1076
167, 578	Same..... Coffin-screw..... (Design).....	Sept. 7, 1875	174	55	8	431
163, 272	Smith, William P., et al. (See Collins M. Grier, assignor.)					
163, 272	Smith, William P., Quakerstown, Pa. Cigar-press.....	May 11, 1875	515	167	7	821
167, 946	Smith, William T., et al. (See Johnson, John, assignor.)					
167, 946	Smith, William T. (See Loudenslager, S., assignor.)					
167, 946	Smith, Wilson, Franklin, Pa. Adjustable dam.....	Sept. 21, 1875	524	{ 167 168 }	8	497
159, 714	Smith, Winchester & Co. (See Hatch & Smith, assignors.)					
169, 240	Smith, Wright, Forestville, Ind. Tobacco-cutter.....	Feb. 9, 1875	446	149	7	254
159, 122	Smith, Joseph C., Nicholasville, Ky. Harness-buckle.....	Oct. 26, 1875	856	279	8	709
162, 111	Smithson, George. (See Wilson & Smithson.)					
170, 760	Smitten, Thomas W. F., New York, N. Y. Revolving spice-box.....	Jan. 26, 1875	759	249	7	150
166, 421	Smoot, William G., Washington, D. C. Car-coupling.....	Apr. 13, 1875	468	155	7	644
171, 184	Smoot, William S., Lion, N. Y. Primer for cartridges.....	Dec. 7, 1875	115	37	8	965
166, 421	Smothers, Thomas T., Bryan, Tex. Reversible sad-iron.....	Aug. 3, 1875	221	67	8	230
161, 072	Smythe, Homer S., Aurora, Ill. Nail for wire fences.....	Dec. 14, 1875	500	165	8	1624
163, 273	Sneider, David, Jersey City, N. J., assignor of one-third interest to P. C. Schuyler, New York, N. Y. Process of preserving food.....	Mar. 23, 1875	768		7	460
171, 442	Sneider, Charles E., and John E. Kirtley, Frankfort, Ky. Mineral paint.....	May 11, 1875	515		7	821
8, 225	Sneider, Charles E., and Charles W., Baltimore, Md. Breach-loading fire-arm.....	Dec. 21, 1875	764	251	8	1067
8, 226	Sneider, Charles W. (See Sneider, Charles E. and Charles W.)					
169, 594	Sneider, Robert, Brooklyn, N. Y. Envelope..... (Case A. Design).....	Mar. 23, 1875			7	466
160, 623	Same..... same..... (Case B. Design).....	Mar. 23, 1875			7	466
159, 364	Snell, Sylvester, Watertown, N. Y. Barley-fork.....	Nov. 2, 1875	256	83	8	769
164, 605	Snoelbaker, William H. H., Chicago, Ill. Wagon-seat.....	Mar. 9, 1875	340	115	7	406
167, 703	Snyder, John S., Lancaster, Ohio. Cistern.....	Feb. 2, 1875	111	38	7	199
159, 365	Snyder, Tunis, Fort Worth, Tex. Farm-gate.....	June 15, 1875	722	235	7	1048
168, 535	Smitzer, Drikus, Quincy, Ill. Compensation-journal for sewing-machine balance-wheels.....	Nov. 16, 1875	789	250	8	853
162, 584	Snively, J. Stonier, Greencastle, Pa. Wheel-harrow.....	Sept. 14, 1875	296	94	8	455
166, 901	Snoddy, James P. (See Henson, William A., assignor.)					
167, 795	Snow, Chester J., San Francisco, Cal. Fastening for meeting-rails of sashes.....	Feb. 2, 1875	112	39	7	200
166, 820	Snow, George H. (See Hall & Snow.)					
168, 535	Snow, George K., assignor to Mary J. Snow, Watertown, Mass. Method of binding books.....	Oct. 5, 1875	198	65	8	592
168, 536	Same..... Paper-fastener and card-suspender.....	Oct. 5, 1875	200	66	8	592
160, 360	Snow, Henry J., et al. (See Batchelder, Edwin R., assignor.)					
162, 584	Snow, Ledor B., assignor to self and L. Grant Meddaugh, Cleveland, Ohio. Grape and flower picker.....	Mar. 2, 1875	91	34	7	362
166, 901	Snow, Mary J. (See Snow, George K., assignor.)					
167, 795	Snow, William, assignor to self and Joseph H. Challen, Waverly, Ill. Draft-equalizer.....	Apr. 27, 1875	943	303	7	719
168, 535	Snow, William B., Brooklyn, N. Y., assignor to self and Eaton, Cole & Burnham Com- pany, Bridgeport, Conn. Steam-radiator.....	Aug. 17, 1875	694	215	8	314
168, 535	Snow, William D., Brooklyn, N. Y. Gas-governor.....	Sept. 14, 1875	383	123	8	468
168, 535	Same..... Carbureter.....	Oct. 11, 1875	457	149	8	637
168, 535	Snowden, Arthur C., South Norwalk, Conn. Horseshoe.....	Aug. 17, 1875	615	190	8	304
168, 535	Snowden, Henry, et al. (See Carrick, Thomas J., assignor.)					
168, 535	Snydam, John C. (See Whitney, William F., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
165, 887	Snyder, Andrew G., Ashtabula, Ohio. Machine for bending carriage-poles.....	July 20, 1875	745	228	8	135
	Snyder, Antes. (See Snyder, Henry F., George S., and Antes.)					
164, 944	Snyder, August, Allegheny, Pa. Step-cock.....	June 29, 1875	1068	344	7	1108
160, 964	Snyder, Benjamin, assignor of one-half interest to Jos. H. Miller, Johnson's Corners, Ohio. Axle-skein for vehicles.....	Mar. 16, 1875	664	217	7	457
160, 241	Snyder, Benjamin B., jr., assignor of one-half interest to R. W. L. Rasin, Baltimore, Md. Nut-lock.....	Feb. 21, 1875	955	314	7	336
160, 963	Snyder, Charles, Belle Plaine, Iowa. Bedstead.....	Mar. 16, 1875	664	217	7	457
6, 475	Snyder, Charles R., Minneapolis, Minn. Lady's work-table..... (Reissue)	June 1, 1875	220	77	7	960
169, 595	Snyder, Ephraim A., Philadelphia, Pa. Egg-preserving compound.....	Nov. 2, 1875	257		8	769
163, 033	Snyder, George S. (See Snyder, Henry F., George S., and Antes.) Soyder, Henry F. and George S., Williamsport, and Antes Snyder, Springdale, Pa. Turn-table.....	May 11, 1875	297	96	7	793
	Snyder, Jesse D., et al. (See Douthett, William C., assignor.)					
	Snyder, Ward B. (See Heaton, Nathan C., assignor.)					
170, 123	Soyder, William B., assignor to self and W. H. Perry, Bridgeport, Conn. Card-binder.....	Nov. 16, 1875	790	250	8	853
161, 290	Sochelsky, William, New York, N. Y. Process of embossing wood.....	Mar. 23, 1875	978		7	507
164, 334	Soderstrom, John O., Pepin, Wis. Lamp-extinguisher.....	June 8, 1875	467	155	7	1004
169, 491	Soesbe, Samuel W., Greene, Iowa. Letter-press copy-book.....	Nov. 2, 1875	152	50	8	756
	Solis, John. (See McGrann & Solis.)					
169, 381	Sollers, Sabritt D., Philadelphia, Pa. Salesman's seat.....	Nov. 2, 1875	60	17	8	743
163, 819	Solomon, Isaac, Solomon's Island, Md. Means for reefing sails.....	May 25, 1875	1034	328	7	914
	Solomon, Joseph J., et al. (See Harrington, Thomas, assignor.)					
165, 625	Solomon, Samuel, New York, N. Y. Neck-tie.....	July 13, 1875	484	147	8	84
167, 581	Somers, Daniel M., New York, N. Y. Pen-holder.....	Sept. 7, 1875	177	56	8	431
167, 796	Somers, Daniel M., Brooklyn, N. Y. Manufacture of metal tubing.....	Sept. 14, 1875	3e4	123	8	468
168, 850	Somers, Daniel M., New York, N. Y., assignor to Orestes Cleveland, Jersey City, N. J. Erasive-tablet holder.....	Oct. 19, 1875	516	169	8	654
	Somerset, John. (See Hayes & Somerset)					
8, 654	Sommer, Henry B., Philadelphia, Pa. Fan..... (Design)	Sept. 14, 1875			8	439
162, 706	Sommers, Peter A., Cazenovia, Ill. Band-cutter for thrashing-machines.....	Apr. 27, 1875	1059	338	7	733
159, 615	Soper, Ephraim, Brooklyn, N. Y. Thill-coupling.....	Feb. 9, 1875	355	117	7	241
161, 172	Soper, Ephraim, New York, N. Y. Side-bar wagon.....	Mar. 23, 1875	862	282	7	492
	Sorey, James H. (See Williamson & Sorey.)					
	Soule, Betsy C., administratrix. (See Soule, Samuel W.)..... (Reissue)					
159, 532	Soule, Leander, Taunton, Mass. Machine for making shoe-nails.....	Feb. 16, 1875	591	{ 195 196 }	7	278
165, 693	Same..... Nail-plate feeder.....	July 20, 1875	557	170	8	109
160, 064	Soule, Peter, Colesville, N. Y. Salky.....	Feb. 23, 1875	808	265	7	315
6, 710	Soule, Samuel W., deceased, by Betsy C. Soule, administratrix, Brooklyn, N. Y. Paper-cutting machine..... (Reissue)	Oct. 19, 1875	738	342	8	654
158, 812	Soule, Samuel W., New York, N. Y. Paper-cutting machine.....	Jan. 19, 1875	445	148	7	162
168, 851	Soulerin, Leon, Milwaukee, Wis. Wrought-iron post.....	Oct. 19, 1875	517	170	8	654
163, 699	Sourwine, John D., Indianapolis, Ind. Ruffling attachment for sewing-machines.....	May 25, 1875	932	296	7	900
167, 797	Souter, Joseph, assignor of two-thirds interest to Charles Lankler and George A. Phillips, Buffalo, N. Y. Grain-drier.....	Sept. 14, 1875	385	123	8	468
169, 307	Sou'ard, Abraham M., Eldora, Iowa. Corn-planter.....	Oct. 26, 1875	960	311	8	722
162, 203	Southward, Eli F., Boston, Mass. Frame for open-work signs and banners.....	Apr. 20, 1875	508	186	7	664
160, 794	Southwick, Albert H., San Francisco, Cal. Wind-mill.....	Mar. 16, 1875	532	168	7	437
	Southworth, John H., et al. (See Blaise, George F., assignor.)					
	Southworth, M. A. (See Bull, Henry C., assignor.)					
	Sower Brothers. (See Sower, Morris, assignor.)					
169, 308	Sower, Morris, assignor to Sower Brothers, Princeton, Ill. Middlings-purifier.....	Oct. 26, 1875	961	311	8	722
159, 774	Sowle, John, Boston, Mass. Window-curtain cornice.....	Feb. 16, 1875	521	173	7	269
164, 051	Spacht, William M., Dunkirk, Ohio. Railway-rail joint.....	June 1, 1875	185	66	7	956
167, 278	Spafford, Noah N., Strongsville, Ohio. Car-coupling.....	Aug. 31, 1875	1077	336	8	384
160, 847	Spahn, Joseph M., Chicago, Ill. Beer-vent.....	Mar. 16, 1875	563	181	7	443
168, 537	Spain, Job, North Lewisburgh, Ohio. Sulky-cultivator.....	Oct. 5, 1875	501	66	8	592
166, 564	Spalding, William, Petersburg, Mich. Hoop-fastening.....	Aug. 10, 1875	367	112	8	259
6, 318	Spang, Henry W., Reading, Pa. Electric railway-signal apparatus..... (Reissue)	Mar. 2, 1875	233	79	7	382
6, 476	Same..... Circuit and circuit-closer for railway-signaling apparatus..... (Reissue)	June 1, 1875	221	77	7	960
164, 227	Same..... Electric railway-signal.....	June 8, 1875	359	{ 124 125 }	7	991
164, 228	Same..... same.....	June 8, 1875	366	125	7	991
164, 778	Same..... same.....	June 22, 1875	8e8	290	7	1078
167, 415	Same..... Lightning-rod.....	Sept. 7, 1875	33	10	8	411
168, 05e	Same..... Electric railway-signal.....	Sept. 21, 1875	621	202	8	512
168, 059	Same..... same.....	Sept. 21, 1875	634	{ 203 204 }	8	513
163, 112	Spangler, Jacob W., and Benjamin F. Reich, York, Pa. Washing-machine.....	Apr. 13, 1875	468	155	7	644
164, 229	Sparrhawk, Frances C., Newburyport, Mass. Rein-holder.....	June 8, 1875	368	125	7	991
	Sparks, John W. (See Sparks, Silas and John W.)					
165, 256	Sparks, Silas and Jobo W., Bowensville, Ohio. Hog-ringing apparatus.....	July 6, 1875	112	34	8	24
164, 882	Sparks, William H., Camden, N. J., assignor of one-half interest to Thomas D. Coulston, Philadelphia, Pa. Curtain-fixture.....	June 22, 1875	993	320	7	1091
169, 309	Same..... same.....	Oct. 26, 1875	962	312	8	723
	Sparrow, Benjamin F. (See Straw & Sparrow.)					
	Sparrow, Edmund S. (See Craig, Charles II., assignor.)					
	Sparrow, Herbert F. (See Straw & Sparrow, assignors.)					
163, 700	Sparrow, Warren, Hancock, Mass. Charcoal-kilo.....	May 25, 1875	933	296	7	900
166, 565	Spaulding, Harvey, Springville, N. Y. Machine for cleaning card-cylinders.....	Aug. 10, 1875	367	113	8	259
	Spaulding, John F. (See Schneider, Conrad, assignor.)					
	Spaulding, Joseph W. (See Hatch, Joseph H., assignor.)					
164, 945	Spaulding, Stephen F., Jericho, Conn. Preparing veneers for butter-boxes.....	June 29, 1875	1069		7	1108
6, 206	Spear, James, Philadelphia, Pa. Base-burning stove..... (Reissue)	Jan. 5, 1875	188	65	7	35
6, 207	Same..... same.....	Jan. 5, 1875	190	65	7	35
163, 418	Same..... Fire-pot for stoves.....	May 18, 1875	664	212	7	857
163, 419	Same..... Stove.....	May 18, 1875	665	213	7	857
164, 046	Same..... same.....	June 1, 1875	179	64	7	958
171, 636	Spear, James E., jr., Melrose, Mass., assignor to George W. Simmons & Son. Helmet for firemen.....	Dec. 28, 1875	981	317	8	1105
165, 960	Spear, Thaddens H., Gardiner, Me. Machine for making toy torpedoes.....	July 27, 1875	827	254	8	158
162, 775	Spear, Vivian K., Lynn, Mass. Machinery for burnishing boot and shoe heels, &c.....	May 4, 1875	37	12	7	752

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161, 831	Spear, Wickham B., and Joseph W. Richards, Philadelphia, Pa. Process of purifying galvanizer's dross	Apr. 6, 1875	212	.....	7	599
161, 713	Spears, Emanuel, assignor of one-half interest to Christian Scherer, La Fayette, Ind. Tongue support.	Apr. 6, 1875	104	37	7	584
	Speck, Arthur A. (See Fetherston, Thomas, assignor.)					
	Speed, John I. (See Rhodes, Shillitto & Speed.)					
	Speer & Sons, Alexander. (See Wausbrough, Edmund, assignor.)					
	Speer, N. Q. (See Strawn, Thomas C., assignor.)					
159, 616	Speer, Reinhold, Newark, N. J. Shawl-strap bar	Feb. 9, 1875	356	118	7	242
	Speer, W. W. (See Todd, George W., assignor.)					
165, 267	Speers, Leland M., and Abraham Clark, Newberry, S. C. Combined grave, coffin, and monument	July 6, 1875	113	34	8	24
168, 060	Speir, Robert, Greenock, and John Mather, Gateshead-on-Tyne, North Britain. Apparatus for condensing vapors, gases, &c.	Sept. 21, 1875	640	204	8	513
167, 798	Spelman, Irwin H., Cortland, Ohio Tire-setting machine	Sept. 14, 1875	386	124	8	468
166, 229	Spencer, Abel, assignor of two-thirds interest to Martin S. Hicks, Penn Yan, N. Y. Railway-rail-joint fastening.	Aug. 3, 1875	41	13	8	205
159, 617	Spencer, Albert H., Boston, Mass. Portable horse-feeding support	Feb. 9, 1875	356	118	7	242
166, 422	Spencer, Albert H., Boston, assignor to John J. Haley, Newton, and Henry C. Morse, Boston, Mass. Carpet-sweeper	Aug. 3, 1875	224	68	8	230
163, 694	Spencer, Charles, East Greenwich, R. I. Stud for wagon-bodies	June 1, 1875	48	16	7	937
	Spencer, Charles A. (See Clarke, Almon, assignor.)					
160, 624	Spencer, Charles F., Cleveland, Ohio. Tilting chair	Mar. 9, 1875	341	115	7	406
171, 537	Spencer, Charles F., Rochester, N. Y. Lamp	Dec. 28, 1875	872	285	8	1090
160, 478	Spencer, Charles L., Providence, R. I. Wet-thread knitting-machine	Mar. 2, 1875	198	68	7	377
166, 423	Spencer, Christopher M., Hartford, Conn. Machine for shaping the heads of metal screws	Aug. 3, 1875	224	68	8	230
165, 037	Spencer, Francis M., Mansfield, Pa. Photographic head-rest	June 29, 1875	1143	369	7	1118
165, 038	Same..... Camera-stand	June 29, 1875	1144	369	7	1118
170, 200	Spencer, George F., assignor of one-half interest to John F. Yarnell, Francesville, Ind. Register	Nov. 23, 1875	866	277	8	873
161, 173	Spencer, George H., Jersey City, N. J. Combined standard and spring	Mar. 23, 1875	862	282	7	492
161, 832	Same..... Turn-buckle	Apr. 6, 1875	213	71	7	599
171, 637	Spencer, Henry R., New York, N. Y. Atomizer	Dec. 28, 1875	981	317	8	1105
	Spencer, Joseph T. (See Gilmore & Spencer.)					
162, 707	Spencer, William F., Richmond, Ind. Settee	Apr. 27, 1875	1060	338	7	733
162, 708	Same..... Chair-seat	Apr. 27, 1875	1061	338	7	733
166, 036	Spencer, William H., Brooklyn, N. Y. Manufacture of illuminating-gas	July 27, 1875	898	277	8	168
166, 037	Same..... Heating-retort for the manufacture of illuminating-gas	July 27, 1875	899	.....	8	168
	Spendlow, Henry, et al. (See Milsom, George, assignor.)					
	Sperber, August. (See King & Sperber.)					
167, 858	Sperry, Barton E., Batavia, Ill. Polishing-machine	Sept. 21, 1875	457	144	8	486
165, 268	Spice, Robert P., Westminster, Great Britain. Gas-apparatus	July 6, 1875	114	34	8	24
158, 993	Spicer, John P., Milestown, and Thomas Insull, assignors to selves and James F. Dovey, Philadelphia, Pa. Carriage-axle	Jan. 19, 1875	619	205	7	124
	Spicer, Pratt A. (See Crossman, Montgomery, assignor.)					
170, 124	Spicer, Pratt A., assignor to Montgomery Crossman, Marshall, Mich. Pump for driven wells	Nov. 16, 1875	790	251	8	853
	Spicer, Samuel. (See Myers & Spicer.)					
166, 902	Spicer, Samuel, Goodrich, Mich. Hame-fastener	Aug. 17, 1875	605	215	8	314
	Spickler, William R., et al. (See Nugent, Richard C., assignor.)					
167, 279	Spiegel, Augustus, Indianapolis, Ind. Sofa-bed	Aug. 31, 1875	1078	337	8	384
161, 642	Spier, James G., Peoria, Ill. Method of ageing liquors	Apr. 6, 1875	47	18	7	575
165, 961	Spinney, William F., Chelsea, Mass. Heel-stiffener	July 27, 1875	829	255	8	158
	Spire, George. (See Frank & Spire.)					
162, 776	Spire, George, assignor of one-half interest to Andrew H. Frank, Buffalo, N. Y. Planing-machine	May 4, 1875	38	12	7	752
171, 185	Splidorf, Henry, New York, N. Y. Insulating metal wire	Dec. 14, 1875	501	165	8	1024
161, 833	Spofford, Charles, Boston, Mass., assignor to James H. Hoffman, New York, N. Y. Machine for folding and pasting collar ends.	Apr. 6, 1875	214	72	7	599
	Same..... Machine for pasting and folding collar ends.	Dec. 28, 1875	916	300	8	1097
171, 526	Spooner, William A., Springfield, Mass. Pump-box	Mar. 30, 1875	1256	405	7	551
170, 408	Spoor, David E., and Edward P. Searle, Medina, N. Y. Door-alarm	Nov. 23, 1875	1072	338	8	899
6, 406	Sporr, Stephen, Troy, N. Y. Boiling-kettle. (Reissue.)	Apr. 27, 1875	1105	348	7	738
162, 864	Sprague, Austin V. M., Rochester, N. Y. Combined ice-pick, chisel, and hammer	May 4, 1875	118	38	7	762
161, 564	Sprague, Edwin J., Youngstown, Ohio. Sash-weight	Mar. 30, 1875	1257	405	7	551
162, 709	Sprague, Elwood J., Casadaga, N. Y. Gang-plow	Apr. 27, 1875	1062	{ 338 } { 339 }	7	733
159, 238	Sprague, George, Lockport, N. Y. Store-lid lifter	Jan. 26, 1875	856	279	7	164
163, 112	Sprague, Harvey, Churchville, assignor of one-half interest to William S. Brown, Le Roy, N. Y. Carriage-spring	May 11, 1875	366	119	7	802
	Sprague, Jacob R. (See Cook, Isaac, assignor.)					
6, 822	Sprague, Watson N., South Framingham, assignor, by mesne assignments, to self and William W. Potter, Boston, Mass. Machine for making wooden shanks for boots and shoes (Reissue.)	Dec. 28, 1875	992	320	8	1106
162, 426	Sprague, William F., assignor of one-half interest to Lewis Pond, Foxborough, Mass. Sewing straw braid	Apr. 20, 1875	780	253	7	690
158, 652	Spratt, Henry W., London, England. Voting apparatus	Jan. 12, 1875	282	94, 95	7	63
169, 123	Sprengard, Jacob, Cincinnati, Ohio. Cradle	Oct. 26, 1875	795	257	8	699
162, 865	Sprigade, Rudolph, and John Schoering, Brooklyn, N. Y. Folding table	May 4, 1875	118	33	7	762
	Spring, Andrew, et al. (See Andrews & Tucker, assignors.) (Reissue.)					
	Spring, David V. (See Shelley, Bozarth & Spring)					
	Spring, Samuel E., et al. (See Andrews & Tucker, assignors.) (Reissue.)					
162, 427	Springer, Amos C., San Francisco, Cal. Tap and faucet for barrels	Apr. 20, 1875	781	254	7	690
160, 065	Springer, Jacob M., Indianapolis, Ind. Pump-sucker	Feb. 23, 1875	802	265	7	315
6, 592	Springer, William A., Marlborough, Mass. Trimming and cutting attachment for sewing-machines (Reissue.)	Aug. 10, 1875	483	{ 147 } { 148 }	8	275
	Same..... Trimming the edges of material while being sewed or stitched (Reissue.)	Aug. 10, 1875	484	148	8	275
158, 813	Same..... Cutting-attachment for sewing-machines	Jan. 19, 1875	447	{ 149 } { 149 }	7	109
169, 860	Same..... Self-adjusting guide for sewing lap-seams in sewing-machines	Nov. 9, 1875	543	169	8	812
	Springfield Iron Works. (See Thompson, William J., assignor.)					
179, 026	Springsteen, Benjamin R., Schodack Landing, N. Y. Tool for bending bale-hooks	Nov. 16, 1875	696	219	8	841
	Sprogl, Charles B., et al. (See Frasc, Herman, assignor.)					
165, 694	Sprout, Lewis B., Muncy, Pa. Coal-stove	July 20, 1875	559	171	8	100

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			Spec.	Dr. g.	Vol.	Page.
160, 289	Spurgin, Joseph B., and William J. Freeman, Kansas City, Mo. Machine for stuffing mattresses	Mar. 2, 1875	29	11	7	353
170, 601	Spurlin, William H., Hawkinsville, Ga. Moth-trap for bee-hives	Nov. 30, 1875	1270	400	8	934
171, 538	Spurr, Charles W., and Louis Prang, Boston, Mass. Process of preparing wood-veneering	Dec. 28, 1875	873	285	8	1090
169, 205	Spurrer, Henry E., Florence, Iowa. Stove	Oct. 26, 1875	859	2 0	8	709
6, 670	Squire, John J., Saint Louis, Mo., assignor to Adam R. Keese. Horse-rake (Reissue)	Sept. 28, 1875	903	287	8	556
166, 566	Squires, Sidney, Boston, Mass. Sofa-bedstead	Aug. 10, 1875	368	113	8	259
159, 566	Stace, William R., assignor of one-half interest to Nicholas Wilkinson, Rochester, N. Y. Process of tanning pickled skins	Feb. 9, 1875	113	.....	7	200
158, 605	Stacey, Ephraim D., Corsicana, Tex. Combined eastern-top and filter	Jan. 12, 1875	240	84	7	58
165, 434	Stacey, Henry, Indianapolis, Ind. Nozzle for hydrocarbon furnaces	July 13, 1875	300	69	8	57
6, 523	Stackpole, Greenleaf, Elizabeth, N. J., assignor to Georgianna D. Collard. Shoe and glove buttoner (Reissue)	June 29, 1875	1253	403	7	1134
161, 548	Stackpole, Greenleaf, Elizabeth, assignor to Georgianna D. Collard, Mont Clair, N. J. Combined boot and glove buttoner	Mar. 30, 1875	1241	399	7	549
165, 380	Stacy, George, assignor of two-thirds interest to Henry Mulholland and Harley D. Cowles, Montreal, Canada. Art of making chisel-pointed nails	July 6, 1875	221	66	8	39
166, 821	Stacy, George, assignor of one-half interest to Henry Mulholland, Montreal, Canada. Manufacture of cut nails	Aug. 17, 1875	616	191	8	304
167, 582	Stacy, John A., Cincinnati, Ohio. Fire plug	Sept. 7, 1875	178	56	8	431
169, 738	Stacy, John A., and Samuel W. Lewis, Cincinnati, Ohio. Hydrant	Nov. 9, 1875	416	132	8	797
	Stadford, Daniel S., deceased, by Eliza S. Conklin, executrix, Decatur, Ill. Cultivator (Extension)	Jan. 14, 1875	.....	.....	7	180
31, 133	Same.....same..... (Disclaimer filed)	Jan. 14, 1875	.....	.....	7	180
163, 895	Stafford, Frank, Cleveland, Ohio. Car-starter	June 1, 1875	49	17	7	937
158, 752	Stafford, Joseph, Galesburgh, Ill. Wheel-cultivator	Jan. 12, 1875	265	125	7	75
161, 174	Stafford, Nelson, Bayonne, N. J. Key-ring	Mar. 23, 1875	863	282	7	492
	Stafford, William H. (See Reckon & Stafford.)					
167, 033	Stagg, David L., New York, N. Y. Folding school-desk	Aug. 24, 1875	832	260	8	342
	Stahlman, Edward B. (See Darnoby, William F., assignor.)					
161, 262	Stainback, William E., Somerville, Tenn. Obstetrical supporter	Mar. 30, 1875	1060	345	7	525
159, 618	Staley, Abram, assignor to self and Joseph L. Staley, Martin, Mich. Corn-planter	Feb. 9, 1875	357	118	7	242
6, 808	Staley, Franklin J., assignor, by mesne assignments, to Erastus O. Frink, Indianapolis, Ind. Head-block for saw-mills (Reissue)	Dec. 14, 1875	550	180	8	1030
	Staley, Joseph L. (See Staley, Abram, assignor.)					
164, 109	Stamm, Julius, Covington, Ky. Sewing-machine shuttle	June 8, 1875	261	89	7	977
164, 110	Same..... Shuttle for sewing-machines	June 8, 1875	262	90	7	977
159, 974	Stamour, John B., assignor of one-half interest to Joseph Billbrough, Philadelphia, Pa. Car-coupling	Feb. 16, 1875	703	234	7	293
164, 698	Stamour, John B., Philadelphia, Pa., assignor of one-half interest to Gruber Automatic Car Coupling Company, Baltimore, Md. Car coupling	June 22, 1875	822	268	7	1069
165, 130	Stamp, William, Susquehanna Depot, Pa. Exhaust mechanism for locomotives	June 29, 1875	1235	394	7	1130
164, 662	Same..... Spark-arrester	June 22, 1875	7-6	258	7	1065
162, 320	Stamps, Lorenzo D., Galveston, Tex. Automatic fan	Apr. 20, 1875	673	220	7	677
170, 312	Staubertie, Albert B., Philadelphia, Pa. Machine for separating substances of different specific gravity	Nov. 23, 1875	984	308	8	887
				282		
				283	7	492
161, 175	Stancliffe, George, and Joseph Green, New York, N. Y. Hoisting and conveying coal, &c. Standard Lamp and Glass Pipe Company. (See Hoyt, Jonathan J., assignor.)	Mar. 23, 1875	864	.....	7	492
	Standfield, John. (See Clark & Standfield.)					
159, 367	Standish, Philander H., Jefferson City, Mo. Machine for coiling metal rods	Feb. 2, 1875	113	39	7	200
159, 619	Standish, Philander H., assignor to self and J. H. Bodine, Jefferson City, Mo. Die for making chain-swivels	Feb. 9, 1875	358	118	7	242
163, 949	Standish, Philander H., Jefferson City, Mo. Device for welding chain-links	June 1, 1875	93	31	7	943
170, 313	Same.....Tuyere	Nov. 23, 1875	965	308	8	887
167, 625	Stanford, Charles P., San Francisco, Cal. Ore-feeder	Sept. 14, 1875	230	72	8	445
159, 853	Stanford, Daniel T., New Egypt, N. J. Cranberry-separator	Feb. 16, 1875	592	196	7	278
159, 286	Stanforth, William, assignor to William H. Smith and William G. Hall, Sheffield, England. Revolving pocket-knife	Feb. 2, 1875	39	14	7	190
163, 540	Stanion, Judson A., Cleveland, Ohio. Printer's lead and rule cutter	May 18, 1875	782	248	7	872
	Stanley, Benjamin F., et al. (See Dickerson, Samuel H., assignor.)					
168, 933	Stanley, Henry, Saint Johnsbury, Vt. Handle for boring-tools	Oct. 19, 1875	595	197	8	665
161, 336	Stanley, Ira N., assignor to self and Edward D. White, Brooklyn, N. Y. Process and apparatus for the manufacture of gas	Apr. 6, 1875	217	73	7	600
171, 587	Stanley, James, Newark, N. J. Bridle-bit	Dec. 28, 1875	917	301	8	1097
166, 314	Stanley, John H., Chicago, Ill. Sewer-junction indicator	Aug. 3, 1875	119	37	8	216
	Stanley Rule and Level Company. (See Miller, Charles G., assignor.)					
163, 701	Stanley, William E., Montezuma, Ga. Row-gage for plows	May 25, 1875	934	297	7	900
	Stanley Works. (See Adt, John, assignor.)					
167, 202	Stannard, Monroe, Hartford, Conn. Hydraulic adjustable press	Aug. 31, 1875	1014	315	8	375
	Stansbury, Alexander F. (See Stansbury, Thomas M., and Alexander F.)					
	Stansbury, James E. (See Hamilton, Thomas H., assignor.)					
166, 944	Stansbury, Thomas M., and Alexander F., Canton, Ill. Machine for bending tires	Aug. 24, 1875	748	232	8	331
158, 537	Stansbury, William K., Detroit, Mich. Crosscut-saw handle	Jan. 5, 1875	162	55	7	31
168, 798	Stanton, Bradley W., Alma, Mich. Wagon-jack	Oct. 11, 1875	458	149	8	637
170, 301	Stanton, Daniel P., Centerville, R. I. Pipe-wrench	Nov. 23, 1875	887	277	8	873
167, 032	Stanton, Ephraim W., and Thomas M. Riley, Philadelphia, Pa. Commode-ventilator	Aug. 24, 1875	834	259	8	342
160, 479	Stanton, William, Erie, Pa. Grain-conveyor	Mar. 2, 1875	199	68, 69	7	377
160, 725	Staples, Hiram, Battle Creek, Mich. Tool-handle	Mar. 9, 1875	433	144	7	419
161, 643	Staples, John H., Chelsea, assignor, by mesne assignments, of one-half interest to John Clapp, South Braintree, Mass. Water-wheel	Apr. 6, 1875	47	18	7	576
	Star Manufacturing Company. (See Travis, Charles L., assignor.)					
159, 464	Starbuck, George H., Troy, N. Y. Friction-clutch	Feb. 2, 1875	210	68	7	213
163, 820	Starbuck, George H., Troy, N. Y. Sectional steam-generator	May 25, 1875	1035	328	7	914
169, 203	Stark, John D., Brooklyn, N. Y. Car-axle lubricator	Oct. 26, 1875	858	279	8	709
	Stark, Michael J., et al. (See Gallaway, George, assignor.)					
166, 230	Stark, Theodore C., Vallejo, Cal. Steam-plow	Aug. 3, 1875	41	13	8	205
160, 036	Starkey, Nahum, Amesbury, Mass. Jump-seat for carriages	Feb. 23, 1875	781	258	7	311
162, 257	Starks, Daniel C., Hermitage, N. Y. Pump for hydraulic presses	Apr. 20, 1875	618	201	7	670
162, 257	Same..... Cider-press	Apr. 20, 1875	618	201	7	670
				202		
165, 626	Starkweather, John B., assignor of part interest to C. A. Bierce, J. H. Jenkins, and Frank A. Johnston, Winona, Minn. Door-spring	July 13, 1875	485	147	8	84
	Starkweather, Leonard B. (See Mills, Christopher S., assignor.)					
162, 963	Starriger, William M., Henry, Ill. Corn-row marker	May 4, 1875	214	69	7	775

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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165, 513	Starnes, Philip S., assignor to Darnall & Womacks, Pink Hill, Mo. Corn planter and cultivator	July 13, 1875	379	{ 112 113	{ 8 8	68
160, 965	Starr, Eben T., New York, assignor to Henry C. Morgan, Brooklyn, N. Y. Toy fire-arm	Mar. 16, 1875	665	217	7	457
162, 777	Starr, Eben T., New York, N. Y. Toilet-mirror	May 4, 1875	39	12	7	752
	Starr, Eli T. (See Buckingham, Starr & White.)					
159, 048	Starr, Eli T., assignor to Samuel S. White, Philadelphia, Pa. Apparatus for protecting and moistening the disks of dental instruments	Jan. 26, 1875	692	223	7	141
167, 203	Same.....Dental plugger.....	Aug. 31, 1875	1015	316	8	375
	Same.....Adjustable bracket.....	Nov. 2, 1875	60	18	8	743
169, 383	Same.....Ball-and-socket joint.....	Nov. 2, 1875	61	18	8	743
169, 384	Same.....Shield attachment for bulb-syringes, atomizers, &c.....	Nov. 2, 1875	62	18	8	743
170, 125	Same.....Hand-piece for dental engines.....	Nov. 16, 1875	791	251	8	853
171, 443	Same.....Dental chair.....	Dec. 21, 1875	765	252	8	1067
171, 539	Same.....Head-rest for dental chairs.....	Dec. 28, 1875	873	255	8	1090
	Starr, Henry D. (See Minton, Stephen D., assignor.)					
6, 213	Starr, Henry D., assignor of one-half interest to Rice S. Flournoy, Texana, Tex. Washing-machine (Reissue)	Jan. 5, 1875	197	67	7	36
	Starr, Jesse W., et al. (See Slaney, John M., assignor.)					
168, 799	Starr, Jesse W., jr., Camden, N. J., assignor to Jesse W. and Jesse W. Starr, jr. Vertical bar for gas-holders	Oct. 11, 1875	459	150	8	637
170, 912	Starr, Wilbur F., East Hampton, Conn. Toy trundle and boll	Dec. 7, 1875	227	78	8	981
6, 440	Starr, William F., St. John, Canada. Car-coupling (Reissue)	May 18, 1875	814	257	7	876
159, 975	Same.....same.....	Feb. 16, 1875	704	234	7	293
163, 113	Starrett, La Roy S., Athol Depot, Mass. Car-window	May 11, 1875	367	119	7	803
167, 799	Statman, Christian, New York, N. Y. Combined collar and muff	Sept. 14, 1875	387	124	8	468
166, 903	Staub, Joseph P., Greenville, Ill. Child's carriage	Aug. 17, 1875	696	{ 215 216	{ 8 8	314
167, 949	Stauffer, John, assignor to Thomas R. Fuller, Toronto, Canada. Sash-holder	Sept. 21, 1875	526	168	8	597
	Stauffer, William M., et al. (See Wemyss, Alexander, assignor.) (Design.)					
	Stoughton, Neville. (See Gard & Staughton.)					
170, 126	Steadman, Enoch, Covington, Ga. Churn-dasher	Nov. 16, 1875	792	251	8	854
	Steadman, Samuel M. (See McCaffrey, John, jr., assignor.)					
167, 583	Stearns, Albert, Brooklyn, N. Y. Machine for trimming boxes	Sept. 7, 1875	180	56	8	431
	Stearns, Amos C. (See Ilmgerford, Fayette, assignor.)					
165, 183	Stearns, Charles A., Boston, Mass., assignor to self, William H. Torbert, Philadelphia, Pa., and Edmund B. Vannevar and C. H. Dolbear, Boston, Mass. Electric signal apparatus for steam-vessels	July 6, 1875	39	11, 12	8	14
171, 326	Stearns, George S., Cincinnati, Ohio. Corner-joint for boxes	Dec. 21, 1875	659	217	8	1053
	Stearns, Henry A. (See Bucklin & Stearns.)					
166, 231	Stearns, Henry A., Lincoln, R. I. Reciprocating churn-dasher	Aug. 3, 1875	43	14	8	205
6, 508	Stearns, Joseph B., Boston, Mass., assignor to Western Union Telegraph Company. Duplex telegraph and circuit therefor (Reissue)	June 22, 1875	1023	330	7	1094
168, 538	Stearns, Junius B., jr., assignor of one-half interest to Sylvester L. Stearns, New York, N. Y. S-wing-case	Oct. 5, 1875	201	66	8	593
168, 934	Stearns, Otis W., Johnson, Vt. Eave-trough	Oct. 19, 1875	596	197	8	665
	Stearns, Sylvester L. (See Stearns, Junius B., jr., assignor.)					
8, 003	Stearns, Thomas J., assignor to Roxbury Carpet Company, Boston, Mass. Carpet (Design)	Jan. 12, 1875	.....	.....	7	48
8, 192	Same.....same..... (Design)	Mar. 2, 1875	.....	.....	7	48
8, 253	Same.....same..... (Design)	Mar. 30, 1875	.....	.....	7	516
8, 404	Same.....same..... (Case H. Design)	June 15, 1875	.....	.....	7	1014
8, 405	Same.....same..... (Case I. Design)	June 15, 1875	.....	.....	7	1014
8, 457	Same.....same..... (Case J. Design)	July 6, 1875	.....	.....	8	4
8, 561	Same.....same..... (Design)	Aug. 10, 1875	.....	.....	8	241
8, 691	Same.....same..... (Design)	Oct. 5, 1875	.....	.....	8	561
8, 780	Same.....same..... (Design)	Nov. 9, 1875	.....	.....	8	776
8, 798	Same.....same..... (Design)	Nov. 16, 1875	.....	.....	8	819
8, 883	Same.....same..... (Design)	Dec. 28, 1875	.....	.....	8	1076
164, 492	Stearns, Willard W., Norwich, Conn. Spinning-ring	June 15, 1875	628	203	8	1034
158, 606	Stearns, William, Manchester, N. H. Loom-picking mechanism	Jan. 12, 1875	241	81	7	58
	Stebbins, George M. (See Sawyer, Willard W., assignor.)					
	Stebbins, Solomon J., et al. (See Shine, Patrick H., assignor.)					
6, 459	Stebbins, Timothy, San Francisco, Cal. Hydraulic elevator (Reissue)	May 25, 1875	1070	337	7	918
170, 781	Stebbins, Timothy, Boston, Mass. Hydraulic elevator	Dec. 7, 1875	116	37	8	966
171, 060	Steehan, Otto, Indianapolis, Ind. Folding lounge	Dec. 14, 1875	284	127	8	1008
168, 424	Steckel, Edward M., Hutztown, Pa. Hay-tedder	Oct. 5, 1875	93	32	8	578
162, 322	Steckler, Henry, jr., New Iberia, La. Cotton-seed drill	Apr. 20, 1875	674	220	7	677
	Stedman, Charles. (See Webber & Stedman.)					
6, 261	Stedman, Edward E., Ravenna, Ohio. Pruning-impliment (Reissue)	Jan. 26, 1875	887	287	7	168
161, 837	Stedman, Elihu P., Ravenna, Ohio. Carriage-top	Apr. 6, 1875	219	73	7	600
106, 728	Same.....Shifting-rail for carriages	Aug. 17, 1875	535	164	8	291
166, 424	Stedman, Oscar F., Westfield, N. Y. Clothes-pounder	Aug. 3, 1875	225	68	8	230
	Stedwell, George H. (See Hathaway, Samuel A., assignor.)					
	Steel, Alexander, et al. (See Beasley, Charles J., assignor.)					
	Steel, Alexander. (See Tappay, Steel & Beasley.)					
	Steel Centered Calk and Set Screw Company. (See Stone, Samuel, assignor.)					
169, 125	Steel, Charles F., New York, N. Y. Postage-stamp	Oct. 26, 1875	796	258	8	700
170, 603	Steel, Robert and Thomas P. McCadden, Philadelphia, Pa. Toy chromatrope	Nov. 30, 1875	1272	400	8	934
170, 969	Steel, Robert, and Samuel Austin, assignors of one-third interest to Charles J. Miller, Philadelphia, Pa. Hand-motor for street-cars	Dec. 14, 1875	303	101	3	998
160, 966	Steel, Samuel S., and Shubal Munson, Martin, Ohio. Machine for crozing barrels	Mar. 16, 1875	666	{ 217 218	{ 7 7	457
167, 704	Steel, Samuel S., Martin, and George W. Reel, Woodville, Ohio. Crozing and leveling tool	Sept. 14, 1875	297	94	8	455
8, 710	Steele, Elbridge J., Westville, assignor to Blake Brothers Hardware Company, New Haven, Conn. Butt-hinge (Case C. Design)	Oct. 11, 1875	.....	.....	8	600
8, 711	Same.....Latch-handle..... (Case A. Design)	Oct. 11, 1875	.....	.....	8	600
8, 712	Same.....Drawer-pull..... (Case B. Design)	Oct. 11, 1875	.....	.....	8	600
8, 762	Same.....Shelf-bracket..... (Design)	Oct. 26, 1875	.....	.....	8	689
166, 567	Steele, Ferdinand, Brooklyn, N. Y. Pressure-regulator for water-pipes	Aug. 10, 1875	369	113	8	250
167, 950	Steele, Ferdinand, assignor to American Steam and Water Recorder Company, Brooklyn, N. Y. Dash-pot for engines	Sept. 21, 1875	527	169	8	498
160, 480	Steele, George, Mott Haven, N. Y. Steam-jet for furnaces	Mar. 2, 1875	200	69	7	377
	Steele, George T. (See Parsons, Thomas D., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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168, 935	Steele, James G., San Francisco, Cal. Process of making poisonous compositions for destroying gophers, squirrels, &c.	Oct. 19, 1875	596		8	665
169, 925	Same..... Composition for the destruction of vermin.....	Nov. 16, 1875	614		8	830
163, 340	Steele, Michael H., Cleveland, Ohio. Apparatus for steaming grain.....	May 18, 1875	599	{ 191 192 }	7	849
165, 515	Steele, Richard M., assignor to self and R. J. Hunt, Romulus, N. Y. Coal-scuttle.....	July 13, 1875	381	113	8	62
167, 674	Steele, Samuel W., and Joseph Bayer, Northfield, Vt. Process of marb eizing surfaces.	Aug. 24, 1875	833		8	343
162, 868	Steers, Thomas, Jr., Ottawa, Canada. Curry-comb.....	May 4, 1875	121	39	7	763
162, 321	Steffany, Francis, Brooklyn, N. Y. Watch-case.....	Apr. 20, 1875	673	220	7	677
169, 053	Steffens, Johann, G. W., Brooklyn, N. Y. Composition for ornaments.....	Oct. 19, 1875	766		8	680
158, 538	Steffens, Nickolaus, New York, N. Y. Flower-frame.....	Jan. 5, 1875	163	55	7	32
158, 751	Stein, Albert H. (See Konz, Sebastian, assignor.)					
167, 584	Stein, David J., New York, N. Y. Book-rack.....	Jan. 12, 1875	264	124	7	75
	Same..... Portfolio-stand.....	Sept. 7, 1875	182	56	8	431
	Stein, William. (See Wilson, Stephen D., assignor.)					
159, 976	Steinbach, George P., Baltimore, Md. Child's walking-chair.....	Feb. 16, 1875	705	234	7	293
167, 132	Steiner, John, Mendon, Cal. Wagon-wheel.....	Aug. 24, 1875	927	289	8	356
162, 585	Steiner, John H., Albany, N. Y. Fire-extinguisher.....	Apr. 27, 1875	943	303	7	719
8, 721	Steinhaus, William, assignor of one-half interest to Otto Frickenhaus, New York, N. Y. Embroidery-pattern.....	Oct. 19, 1875			8	645
8, 722	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 723	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 724	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 725	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 726	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 727	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 728	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 729	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 730	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 731	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 732	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 733	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 734	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 735	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 736	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 737	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 738	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 739	Same..... same..... (Design).....	Oct. 19, 1875			8	645
8, 740	Same..... same..... (Design).....	Oct. 26, 1875			8	689
8, 751	Same..... same..... (Design).....	Oct. 26, 1875			8	689
8, 752	Same..... same..... (Design).....	Oct. 26, 1875			8	689
8, 753	Same..... same..... (Design).....	Oct. 26, 1875			8	689
8, 754	Same..... same..... (Design).....	Oct. 26, 1875			8	689
8, 754	Same..... same..... (Design).....	Oct. 26, 1875			8	689
8, 781	Steinhaus, William, New York, assignor of one-half interest to Otto Frickenhaus, Brooklyn, N. Y. Crochet-pattern.....	Nov. 9, 1875			8	776
8, 825	Same..... Pattern-sheet for embroidery..... (Design).....	Dec. 7, 1875			8	945
8, 826	Same..... same..... (Design).....	Dec. 7, 1875			8	945
158, 994	Steinmetz, Uriah G., Philadelphia, Pa. Umbrella.....	Jan. 19, 1875	620	206	7	124
163, 821	Same..... Folding umbrella.....	May 25, 1875	1036	328	7	914
164, 052	Steinway, Albert, New York, N. Y. Piano attachment.....	June 1, 1875	186	66, 67	7	956
164, 053	Same..... same.....	June 1, 1875	187	67	7	956
164, 054	Same..... same.....	June 1, 1875	188	68	7	956
8, 782	Steinway, Christian F. T., New York, N. Y. Metal frame in pianos..... (Design).....	Nov. 9, 1875			8	777
170, 645	Same..... Grand piano-forte action.....	Nov. 30, 1875	1309	413	8	940
170, 646	Same..... Agraffe for piano-fortes.....	Nov. 30, 1875	1309	414	8	940
170, 647	Same..... Metal frame for piano-fortes.....	Nov. 30, 1875	1310	414	8	940
159, 620	Steller, Charles E., Milwaukee, Wis. Blind-stop.....	Feb. 9, 1875	352	119	7	242
165, 269	Same..... same.....	July 6, 1875	115	35	8	24
167, 626	Stellwagen, Jacob B., Frankfurth, Ill. Tool for setting tubes in artesian wells.....	Sept. 14, 1875	232	72	8	445
	Stellwagen, Phillip, et al. (See Galloway, George, assignor.)					
	Stem, Samuel E. (See Klingler, Bolender & Stem.)					
158, 995	Stenberg, John A., Chicago, Ill. Liquid and gas meter and motor.....	Jan. 19, 1875	621	206	7	124
161, 909	Same..... Rotary engine and meter.....	Apr. 13, 1875	292	98	7	622
170, 409	Stentz, Henry, Harrisburgh, Pa. Car-brake shoe.....	Nov. 23, 1875	1073	338	8	899
167, 037	Stephan, Ferdinand. (See Fallis, Isaac L., assignor.)					
162, 586	Stephan, John J., Boston, Mass. Step-ladder.....	Aug. 24, 1875	834	260	8	343
	Stephans, William, New York, N. Y. Mode of inlaying jet with metal.....	Apr. 27, 1875	944	303	7	719
	Stephens, Henry. (See Boyle & Stephens.)					
168, 435	Stephens, Henry, Brooklyn, N. Y. Manufacture of mail-bags.....	Oct. 5, 1875	93	32	8	578
	Stephens, Horace A., et al. (See Hall, Nehemiah, assignor.)					
168, 254	Stephens, Lawrence E., and Samuel F. Shay, Terrell, Tex. Windmill.....	Sept. 28, 1875	870	278	8	552
167, 133	Stephens, Lorenzo D., Gold Run, Cal. Ore-washer.....	Aug. 24, 1875	928	289	8	356
158, 539	Stephens, Melvin, Brooklyn, N. Y. Cement-pipe.....	Jan. 5, 1875	163	56	7	32
163, 341	Same..... Device for connecting, holding, and punching sections of sheet-metal pipe.....	May 18, 1875	600	172	7	849
167, 800	Stephens, William A., Succasunna Plains, N. J. Furnace for the manufacture of iron and steel direct from ore.....	Sept. 14, 1875	388	124	8	468
167, 416	Stephenson, Albert, Saint Louis, Mo. Ticket-reel.....	Sept. 7, 1875	35	10	8	411
160, 705	Stephenson, Howard B., assignor to Charles Houghton, Boston, Mass. Metallic roband for attaching sails to spars.....	Mar. 16, 1875	523	168	7	438
170, 202	Stephenson, Howard B., Troy, N. Y., assignor to William H. Bennett. Temporary binder.....	Nov. 23, 1875	887	277	8	873
159, 049	Stephenson, James M., Pendleton, Ind. Wheel for vehicles.....	Jan. 26, 1875	593	229	7	141
6, 427	Stephenson, John, New York, N. Y. Street-car..... (Reissue).....	May 11, 1875	545	174	7	826
6, 428	Same..... same..... (Reissue).....	May 11, 1875	546	174	7	826
6, 429	Same..... same..... (Reissue).....	May 11, 1875	547	175	7	826
6, 696	Same..... same..... (Reissue).....	Oct. 11, 1875	488	158	8	642
6, 697	Same..... same..... (Reissue).....	Oct. 11, 1875	490	159	8	642
161, 565	Same..... same.....	Mar. 30, 1875	1258	405	7	551
161, 566	Same..... same.....	Mar. 30, 1875	1259	405	7	551
161, 567	Same..... same.....	Mar. 30, 1875	1261	406	7	551
161, 568	Same..... Signaling device for street-cars.....	Mar. 30, 1875	1262	406	7	552
161, 569	Same..... Street-car platform.....	Mar. 30, 1875	1263	406	7	552
161, 570	Same..... Street-car body.....	Mar. 30, 1875	1264	406	7	552

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162, 964	Stephenson, John, New York, N. Y. Street-car .....	May 4, 1875	214	69	7	775
167, 585	Same .....	Sept. 7, 1875	183	57	8	431
160, 361	Stephenson, Michael, Stratford, Canada. Portable drilling-machine .....	Mar. 2, 1875	92	34	7	362
171, 5-8	Stephenson, Squire N., Richmond, Tenn. Horseshoe and swage .....	Dec. 28, 1875	918	301	8	1097
169, 124	Stephenson, William P., Waverly, Iowa. Lubricator .....	Oct. 26, 1875	795	258	8	760
169, 038	S. epp, Henrietta G., Somerville, Mass. Lap-board .....	July 27, 1875	899	277	8	168
	Stepp, Jacob. (See Grasser & Stepp.)					
	Sterling School Furniture Company. (See Presbrey, Charles H., assignor.)					
	Sterling Treadle Company. (See Sterling, Elliott, assignor.)					
171, 444	Stern, Bernhard and Herman, Chattanooga, Tenn. Steam candy-beater .....	Dec. 21, 1875	765	252	8	1067
	Stern, Hermap. (See Stern, Bernhard and Herman.)					
160, 726	Stern, Isaac N., Keokuk, Iowa. Alkali for soap .....	Mar. 9, 1875	433	.....	7	419
	Sternberger, Leopold. (See Plautz & Sternberger.)					
169, 054	Sternberger, Leopold, Philadelphia, Pa. Starching-machine .....	Oct. 19, 1875	706	233	8	680
	Sternbergh, J. H., et al. (See Adgate, Joseph J., assignor.)					
6, 765	Sterry, Francis A., Canton, Mass. Means for adjusting spindles in ring spinning-machines. (Reissue) .....	Nov. 23, 1875	1102	346	8	904
166, 155	Sterry, George E., New York, N. Y. Compound for flavoring and preserving tobacco .....	July 27, 1875	1016	.....	8	186
168, 800	Sterzing, Fred, Austin, Tex. Flat-iron .....	Oct. 11, 1875	459	150	8	6.7
160, 362	Stetson, George H. (See Gates, Samuel I., assignor.)					
167, 035	Stetson, George R., New Bedford, Mass. Screw-plate .....	Mar. 2, 1875	93	34	7	362
167, 705	Same .....	Aug. 24, 1875	833	200	8	343
	Stetson, Thomas D., New York, N. Y., assignor to E. and T. Fairbanks & Company, Saint Johnsbury, Vt. Weighing-scales .....	Sept. 14, 1875	298	94, 95	8	435
160, 967	Stetter, George, Hoboken, N. J., assignor to Mulford, Hale & Cottle, New York, N. Y. Die for making metallic bases for jewelry .....	Mar. 16, 1875	667	218	7	457
171, 186	Stevens, Anthony. (See Stevens, Benjamin D., assignor.)					
	Stevens, Asher B., assignor of one-half interest to Henry S. Hale, Artemus Kilburn, J. Warren Hale, Cheney Kilburn, and Warren Hale, Philadelphia, Pa. Chair .....	Dec. 14, 1875	501	166	8	1024
160, 796	Stevens, Benjamin A., Toledo, Ohio. Beer-cooler .....	Mar. 16, 1875	524	169	7	438
167, 706	Same .....	S. pt. 14, 1875	259	95	8	456
170, 602	Same .....	Nov. 30, 1875	1271	400	8	934
160, 482	Stevens, Benjamin D., Lawrence, assignor, by mesne assignments of one-half interest to Anthony Stevens, Boston, Mass. Door-plate .....	Mar. 2, 1875	202	69	7	377
	Stevens, Benjamin F. (See James, Eben, assignor.)					
	Stevens, Charles B. (See Eddy, George W., assignor.)					
	Stevens Company, J. & E. (See Erisbee, Russell, assignor.)					
164, 663	Stevens, David E., and Richard F. Lumley, Newark, Ohio. Fruit-jar .....	June 22, 1875	787	258	7	1065
165, 962	Stevens, David E., and Richard F. Lumley, assignors to David E. Stevens, Newark, Ohio. Fruit-jar .....	July 27, 1875	830	255	8	158
164, 493	Stevens, Edgar M., Boston, Mass. Loom-shuttle .....	June 15, 1875	629	203	7	1034
160, 968	Stevens, Elisha, Cromwell, Conn. Lamp-pen-ant .....	Mar. 16, 1875	668	218	7	458
169, 492	Stevens, Francis B., Hoboken, N. J. Boiler-covering .....	Nov. 2, 1875	152	50	8	757
158, 996	Stevens, George D. E. at Orange, N. J. Sling for elevating packages .....	Jan. 19, 1875	623	206	7	124
	Stevens, George L., et al. (See Jewell, Tyron J. M., assignor.)					
165, 184	Stevens, George M., assignor of one-fourth interest to Horace M. Stevens, Cleveland, Ohio. Railway-sprinkler .....	July 6, 1875	41	12	8	14
171, 540	Stevens, Grenvillo M., Deering, Me. Lamp .....	Dec. 28, 1875	874	256	8	1090
168, 891	Stevens, Henuell, Brazoria, Tex. Apparatus for cutting glue .....	Oct. 11, 1875	460	170	8	637
168, 862	Same .....	Oct. 11, 1875	461	150	8	637
	Stevens, Hiram. (See Williams, John E., assignor.)					
162, 502	Stevens, Hiram, New Haven, Conn. Safety-valve .....	Apr. 27, 1875	875	280	7	710
161, 910	Stevens, Hiram K., and Oscar F. Morse, Providence, R. I. Ventilator .....	Apr. 13, 1875	293	99	7	622
	Stevens, Horace M. (See Stevens, George M., assignor.)					
165, 270	Stevens, John, Port Byron, N. Y., assignor of two-thirds interest to J. L. Davis and T. B. Dickey, Paper vessel .....	July 6, 1875	116	35	8	25
167, 479	Stevens, John, Orange, N. J. Pocket-lantern .....	Sept. 7, 1875	86	27	8	418
	Stevens, John C. (See Jordan & Stevens.)					
163, 274	Stevens, John L., Chicago, Ill. Egg-carrier .....	May 11, 1875	516	167, 168	7	821
170, 410	Stevens, John L., assignor to Billings, Coburn & Co., Chicago, Ill. Box-lid fastening .....	Nov. 23, 1875	1073	338	8	809
	Stevens, Nathan P. (See Lauder, James N., assignor.)					
159, 527	Stevens, Nathan P., Hopkinton, N. H. Bridle-bit .....	Feb. 9, 1875	291	94	7	232
167, 038	Same .....	Aug. 24, 1875	835	261	8	343
	Stevens, Roberts & Havell. (See Weston, Edward, assignor.)					
160, 552	Stevens, Samuel, New York, N. Y. Tooth-brush .....	Mar. 9, 1875	279	95	7	398
171, 461	Stevens, Sidney A. (See Fraser, E. J., assignor) .....					
160, 481	Stevens, William, Northampton, England. Machine for making boot and shoe heels .....	Mar. 9, 1875	201	69	7	377
168, 852	Stevens, William K., assignor of two-thirds interest to James A. and John B. Nimau, Mansfield, Ohio. Pipe-wrench .....	Oct. 19, 1875	518	170	8	654
167, 036	Stevenson, Augustus, Kittery, Me. Keel for boats .....	Aug. 24, 1875	834	260	8	343
166, 425	Stevenson, Elisha M., Pulaski Township, Pa. Petroleum-well .....	Aug. 3, 1875	236	68, 69	8	231
168, 803	Stevenson, George B., Upper Sandusky, Ohio. Steam-engine .....	Oct. 11, 1875	462	151	8	638
161, 291	Stevenson, John, Brooklyn, N. Y. Setting hasins .....	Mar. 23, 1875	978	330	7	507
160, 123	Stevenson, John A., et al. (See Bell, A. John, assignor) .....					
	Stevenson, John A., assignor of one-half interest to John J. Kline, Belvidere, N. J. Spring for seats, &c. .....	Feb. 23, 1875	854	282	7	332
165, 888	Stevenson, William B., Philadelphia, Pa. Attaching T-squares to drawing boards .....	July 20, 1875	746	228	8	135
167, 134	Stevenson, William M., assignor of one-half interest to William McGilvray, Sharon, Pa. Rotary engine .....	Aug. 24, 1875	929	290	8	356
167, 707	Stevenson, William W., and Isaac Nuttall, Taunton, Mass. Picker-staff check .....	Sept. 14, 1875	301	95	8	456
168, 061	Steventon, Albert N., and Thomas F. McGrath, Newark, assignors to John R. McPherson, Jersey City, N. J. Stock-car .....	Sept. 21, 1875	643	204	8	513
164, 230	Stever, Jeremiah, Bristol, assignor of one-half interest to Isaac E. Newton, Waterbury, Conn. Vapor-burner .....	June 8, 1875	369	136	7	992
163, 613	Steward, John F., Plano, Ill. Revolving stereoscope .....	May 25, 1875	864	273	7	890
171, 011	Same .....	Dec. 14, 1875	285	127	8	1009
165, 125	Stewart, Alexander W., Boston, Mass. Folding rocking-chair .....	July 6, 1875	42	13	8	14
166, 232	Stewart, Alexander W., Boston, assignor to John J. Haley, Newton, and Henry C. Morse, Boston, Mass. Carpet-sweeper .....	Aug. 3, 1875	43	14	8	205
166, 726	Stewart, Alexander W., Boston, Mass. Folding rocking-chair .....	Aug. 17, 1875	533	163	8	291
165, 963	Stewart, Alson C., Walton, N. Y. Feed-cutter .....	July 27, 1875	830	255	8	158
	Stewart & Mattson. (See Heysinger, Isaac W., assignor.)					
	Stewart & Young. (See Roth, John, assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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165, 514	Stewart, Charles F. and Milton, Muncie, Ind. Straw-cutter .....	July 13, 1875	380	113	8	68
161, 571	Stewart, Edward, Fort Madison, Iowa. Car-brake .....	Mar. 30, 1875	1265	407	7	552
169, 861	Stewart, Hugh R., Mercer, Pa. Process of forming blackboards or slates .....	Nov. 9, 1875	545	.....	8	812
6, 698	Stewart, Isaac W., New York, N. Y. Diaper-pin .....	Oct. 11, 1875	491	159	8	642
161, 714	Stewart, Jacob, Moline, Ill. Damper .....	Apr. 6, 1875	104	37	7	584
167, 859	Stewart, James S., Washington, D. C. Paper-rolling machine .....	Sept. 21, 1875	458	144	8	456
	Stewart, James O., <i>et al.</i> (See Nevin, David, assignor.) .....					
160, 727	Stewart, John J., Sargentville, Md. Pegging-jack .....	Mar. 9, 1875	434	144	7	419
159, 715	Stewart, John L., Ellicott City, Md. Railway-rail chair .....	Feb. 9, 1875	446	149	7	254
162, 965	Stewart, John L., Philadelphia, Pa. Petroleum-still .....	May 4, 1875	215	69	7	775
170, 644	Stewart, John W., Woodville, Tex., assignor of two-thirds interest to James K. Durham and John N. Goolsbee. Spectacle-frame .....	Nov. 30, 1875	1368	413	8	940
	Stewart, J. W., <i>et al.</i> (See Goolsbee, John N., assignor.) .....					
164, 335	Stewart, Lewis, Camp Hill, Pa. Horse-power .....	June 8, 1875	468	155	7	1004
166, 426	Stewart, Lyman, Titusville, Pa. Petroleum-well .....	Aug. 3, 1875	226	69	8	231
171, 529	Same. Packer for oil-wells .....	Dec. 28, 1875	919	301	8	1097
8, 490	Stewart, Mathew, Philadelphia, Pa. Gas-burner .....	July 20, 1875	.....	.....	8	95
	Stewart, Milton. (See Stewart, Charles F. and Milton.) .....					
	Stewart, Oscar J., <i>et al.</i> (See Nevin, David, assignor.) .....					
169, 493	Stewart, Robert, Barnesville, N. Y. Bale-tie .....	Nov. 2, 1875	153	50	8	756
	Stewart, S. C. (See Lees, David, assignor.) .....					
161, 292	Stewart, Uriah T., Ross-ville, Tenn. Seed-planter .....	Mar. 23, 1875	979	320	7	507
6, 553	Stewart, William, Hartford, Conn. Child's carriage .....	July 20, 1875	774	237	8	140
164, 336	St. George, George, jr., Philadelphia, Pa. Stitch-ripper .....	June 8, 1875	469	155	7	1005
163, 114	Stichter, Henry P., Pottsville, Pa. Step-ladder .....	May 11, 1875	368	120	7	803
163, 275	Stickle, Charles S., Grinnell, William P. Parker, Tama, and James D. Moore, Grinnell, Iowa; said Moore assignor to said Stickle and Parker. Harvester .....	May 11, 1875	517	168	7	822
159, 854	Stickles, Orrin J., Canton, N. Y. Milk-cooling apparatus .....	Feb. 16, 1875	592	196	7	278
170, 127	Stickney, Gage, Philadelphia, Pa. Cow-tail holder .....	Nov. 16, 1875	798	251	8	854
8, 292	Stidham, John, South Oil City, Pa. Toy .....	Apr. 27, 1875	.....	.....	7	701
	Stidolph, Thomas F., <i>et al.</i> (See Catchpole & Stidolph.) .....					
	Stiker, Flavins P. (See Firmenich & Stiker.) .....					
166, 904	Stikeman, Richard T. II., Philadelphia, Pa. Steam-fire-engine hydrant .....	Aug. 17, 1875	697	216	8	314
	Stiles and Parker Press Company. (See Stiles, Norman C., assignor.) .....					
159, 465	Stiles, David D., Rochester, N. Y. Stove .....	Feb. 2, 1875	211	69	7	214
167, 586	Stiles, Elizabeth W., Philadelphia, Pa. Reading and writing desk .....	Sept. 7, 1875	184	57	8	431
6, 530	Stiles, John W., New York, N. Y. Pressure-gage .....	July 6, 1875	252	75	8	42
	Stiles, Noel W. (See Gines & Stiles.) .....					
160, 483	Stiles, Norman C., assignor to Stiles and Parker Press Company, Middletown, Conn. Drop-hammer .....	Mar. 2, 1875	502	70	7	378
161, 572	Stiles, Norman C., Middletown, Conn. Die for raising articles of sheet-metal .....	Mar. 30, 1875	1267	407	7	552
160, 637	Stillman, Herbert L., Richmond, R. I. Surgical instrument .....	Feb. 23, 1875	782	258	7	311
167, 860	Stillman, Orsemus M., Westerv, R. I. Steam-piston .....	Sept. 21, 1875	459	145	8	486
169, 596	Same. Welf-stop mechanism for looms .....	Nov. 2, 1875	257	83	8	769
168, 853	Stillman, Wait J., Troy, N. Y. Railway-crossing .....	Oct. 19, 1875	518	170	8	654
166, 482	Stillson, Daniel C., Boston, Mass. Faucet .....	Aug. 10, 1875	300	90	8	249
166, 483	Same. Self-closing faucet .....	Aug. 10, 1875	301	90	8	249
168, 588	Same. Machine for rounding and sealing the ends of wrought-iron tubes .....	Oct. 11, 1875	273	88	8	610
6, 524	Stilson, Lyman B., Minneapolis, Minn., assignor to self and August Leib. Harvester, (Reissue) .....	June 29, 1875	1254	403	7	1134
	Stilwell and Bierce Manufacturing Company. (See Stilwell, Edwin R., assignor.) .....					
	Same. same. same. (Reissue.) .....					
165, 381	Stilwell, Charles B., Worcester, Mass. Paper-bag machine .....	July 6, 1875	222	{ 66 67 68 }	8	39
6, 286	Stilwell, Edwin R., Dayton, Ohio, assignor, by mesne assignments, to Stilwell and Bierce Manufacturing Company. Water-heating device .....	Feb. 9, 1875	478	160	7	259
158, 997	Stilwell, Edwin R., assignor to Stilwell and Bierce Manufacturing Company, Dayton, Ohio. Case for turbine water-wheels .....	Jan. 19, 1875	623	206	7	124
159, 050	Stimpson, Edward S., assignor to Dutcher Temple Company, Hopedale, Mass. Temple for looms .....	Jan. 26, 1875	693	229	7	141
168, 804	Stimpson, Edwin B., New York, N. Y. Machine for embossing the uppers of boots and shoes .....	Oct. 11, 1875	463	151	8	638
158, 393	Stimson, Enos, assignor to Thomas J. Deavitt, Montpelier, Vt. Grate .....	Jan. 5, 1875	36	13	7	14
159, 598	Stirk, Jacob, Lancaster City Post-Office, Pa. Running-gear for vehicles .....	Feb. 9, 1875	291	94	7	232
169, 597	Stith, Ferdinand, Washington, D. C. Draftsman's ink-saucer .....	Nov. 2, 1875	258	83	8	769
170, 782	Stith, Lewis B., Bennett's Cross-Roads, N. C. Power for cotton-gins .....	Dec. 7, 1875	117	37	8	966
165, 889	Sutt, John N., Sardis, Miss. Lint-room floor .....	July 20, 1875	747	228	8	135
162, 503	St. Jean, Basile, Manchester, N. H. Roofing composition .....	Apr. 27, 1875	876	.....	7	710
	St. John, Henry. (See Crisand, Emil, assignor.) .....					
170, 310	St. John, Roswell II., Bellefontaine, Ohio. Extension-table for sewing-machines .....	Oct. 26, 1875	963	312	8	723
171, 445	St. John, Roswell II., Springfield, Ohio. Sewing-machine driving-mechanism .....	Dec. 21, 1875	766	252	8	1068
161, 673	St. John, William H., New York, N. Y. Process and apparatus for the manufacture of illuminating-gas .....	Mar. 23, 1875	768	253	7	480
165, 516	St. John, William W., Pisgah, Mo. Detachable seat for chairs .....	July 13, 1875	382	113	8	68
168, 295	Stobwasser, Gustav, Berlin, Prussia, assignor to Bennett B. Schneider, New York, N. Y. Lamp-burner .....	Sept. 28, 1875	870	279	8	552
	Stock, Jacob. (See Stock, John and Jacob.) .....					
166, 315	Stock, John and Jacob, New York, N. Y. Photographic camera .....	Aug. 3, 1875	119	37	8	216
6, 350	Stockbridge, Charles H., Whateley, Mass., assignor, by mesne assignments, to Miller's Falls Company. Bit-brace .....	Mar. 23, 1875	1017	331	7	512
170, 411	Stocker, James Z., Charleston, S. C. Bale-band stretcher .....	Nov. 23, 1875	1074	339	8	899
165, 517	Stockett, Benjamin F., assignor of one-half interest to T. Franklin Thornton, Sturgis, Mich. Stove-pipe drum .....	July 13, 1875	383	114	8	69
169, 862	Stockett, James K. and Milo L., Brooklyn, N. Y. Sofa-bedstead .....	Nov. 9, 1875	545	170	8	812
169, 739	Stockett, John P., jr., New York, N. Y. Picture nail .....	Nov. 9, 1875	419	133	8	797
	Stockett, Milo L. (See Stockett, James K. and Milo L.) .....					
168, 062	Stockwell, Emery, Stamford, Conn. Time-lock .....	Sept. 21, 1875	614	205	8	513
170, 913	Stockwell, Henry B., and Albert R. Weiss, Brooklyn, N. Y. Automatic lighter for gas-burners .....	Dec. 7, 1875	227	78	8	981
170, 128	Stockwell, John A., Lynn, assignor to Stockwell Shoe Tip Company, Boston, Mass. Machine for making shoe-tips .....	Nov. 16, 1875	794	252	8	854
	Stockwell Shoe Tip Company. (See Stockwell, John A., assignor.) .....					
169, 494	Stoddard, Isaac H., Ansonia, Conn. Fastener for the meeting-rails of sashes .....	Nov. 2, 1875	154	51	8	756
	Stoddard, Marshall W. (See Rouse & Stoddard.) .....					



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	Stoddard, Noltan. (See Reimold & Stoddard.)					
161, 293	Stoddard, Richard T., Boston, Mass. Book-supporter	Mar. 23, 1875	980	320	7	507
167, 951	Same..... same	Sept. 21, 1875	528	169	8	498
	Stoddard, William H. (See Bannister, Perkins & Stoddard.)					
167, 587	Stoddard, William O., New York, N. Y. Preparation of batter of eggs	Sept. 7, 1875	185	.....	8	432
167, 601	Same..... Apparatus for desiccating egg-batter	Sept. 14, 1875	389	124	8	469
169, 311	Same..... Machinery for desiccating eggs	Oct. 26, 1875	964	312	8	723
	Stoeppelwerth, Edward. (See Feldmeier & Stoeppelwerth.)					
166, 905	Stohler, Henry K. and Thomas F., Mount Joy, Pa. Eave-trough hanger	Aug. 17, 1875	698	216	8	315
	Stohler, Thomas F. (See Stohler, Henry K. and Thomas F.)					
	Stokes, Charles A. (See Peckham, John A., assignor.)					
164, 779	Stokes John C., assignor to self and Joseph W. Cavender, Villanow, Ga. Baling-press	June 22, 1875	891	290	7	1079
171, 187	Stokes, Samuel E., jr., Philadelphia, Pa. Steam-engine and driving appliance	Dec. 14, 1875	502	166	8	1024
170, 927	Stokes, William, New York, assignor to self and Henry Heath, Brooklyn, N. Y. Suspender	Nov. 16, 1875	696	219	8	841
161, 294	Stokoe, John W., Manistee, Mich. Set-work for saw-mills	Mar. 23, 1875	981	321	7	507
171, 188	Stoler, Abraham, Philadelphia, Pa. Combined reel and rake for harvesters	Dec. 14, 1875	503	{ 166 } 167	8	1025
162, 428	Stoll, John, Lincoln, Ill. Corn-plauter	Apr. 20, 1875	782	254	7	690
171, 488	Stoll, Lyman A., Chicago, Ill. Dust-brush	Dec. 28, 1875	824	271	8	1084
166, 427	Stombs, Thomas A., San Francisco, Cal. Automatic rotary carbureter	Aug. 3, 1875	522	69	8	231
167, 802	Stone, Andre, Ticonderoga, N. Y. Boot and shoe pegging stand	Sept. 14, 1875	590	125	8	469
	Stone, Bertrand W. (See Kingston, Charles H., assignor.)					
167, 135	Stone, Frank D., and Worthington Murray, Cleveland, Ohio. Apparatus for preserving eggs	Aug. 24, 1875	931	291	8	356
158, 607	Stone, Frank P., Chicago, Ill. Device for coupling and uncoupling thills	Jan. 12, 1875	242	82	7	58
171, 248	Stone, Henry J., New Haven, Conn. Machine for cutting printer's leads	Dec. 21, 1875	592	194	8	1044
	Stone, John R., et al. (See Hardy, Dexter D., assignor.)					
	Stone, Joseph H., et al. (See Davis & Stone, assignors.)					
	Stone, Joseph M. (See Davis & Stone.)					
160, 124	Stone, Joseph M., North Andover, Mass. Spindle-bearings and their lubrication	Feb. 23, 1875	854	{ 282 } 283	7	322
164, 946	Same..... Hydraulic hose	June 29, 1875	1070	344	7	1168
166, 316	Same..... Building mechanism for spinning-frames	Aug. 3, 1875	120	37	8	216
	Stone, Lester D. (See Barker, George E., assignor.)					
162, 323	Stone, Roy, Vandalia, N. Y. Car for elevated railways	Apr. 20, 1875	674	{ 250 } 251	7	677
162, 504	Same..... Elevated railway	Apr. 27, 1875	876	220	7	710
170, 692	Same..... Car for one-rail railways	Dec. 7, 1875	36	11	8	955
165, 427	Stone, Samuel, North Manchester, Conn. Pipe-tengs	July 6, 1875	117	35	8	25
169, 495	Stone, Samuel, assignor to Steel Centered Calk and Set Screw Company, North Manchester, Conn. Horseshoe	Nov. 2, 1875	154	51	8	776
	Stone, William F. (See Hunter, George W., assignor.)					
	Stonebreaker, George J. (See Williams, John, assignor.)					
	Stoops, Nesbitt D. (See Cushman, Cyrus, assignor.)					
	Same..... (See Hodgkins, Christopher, assignor.) (Reissue.)					
160, 848	Storey, Albert G., and Thomas J. Lewis, Brooklyn, N. Y. Lamp	Mar. 16, 1875	564	183	7	443
170, 783	Storey, George H., La Porte, Ind. Car-ventilation	Dec. 7, 1875	118	38	8	966
162, 710	Storke, Elliott G., Auburn, N. Y. Carpenter's plane	Apr. 27, 1875	1063	339	7	734
6, 631	Storke, Ole O., assignor to self and John O. Overby, Milwaukee, Wis. Horse power. (Re-issue)	Sept. 7, 1875	199	62	8	434
8, 227	Storm, Francis, Philadelphia, Pa. Perfumery-bottle	Mar. 23, 1875	.....	.....	7	463
8, 210	Storm, Gustavus, Philadelphia, Pa. Perfumery-bottle	Mar. 16, 1875	.....	.....	7	427
163, 276	Same..... Detachable plate for glass-molds	May 11, 1875	519	168	7	822
162, 678	Storm, William M., assignor to self and William L. Williams, New York, N. Y. Air-injector for aere-steam engine	Oct. 11, 1875	352	115	8	623
	Stermont, William. (See Gore, Myron, assignor.)					
	Storms, Edward. (See Whitney, William F., assignor.)					
162, 426	Storv, James, Washington, D. C. Apparatus for warming and ventilating railway-cars	Oct. 5, 1875	94	33	8	578
169, 126	Same..... Apparatus for lighting railway-cars	Oct. 26, 1875	797	258	8	760
167, 627	Storv, Joseph M., Cincinnati, Ohio. Sleigh	Sept. 14, 1875	232	72	8	415
159, 466	Stott, Abraham, and Davis Evensen, Philadelphia, Pa. Washing-machine	Feb. 2, 1875	212	69	7	214
162, 711	Stott, William B., Scranton, Pa. Rotary engine	Apr. 27, 1875	1065	339	7	734
	Stotts, David C., et al. (See Harwood, George D., assignor.)					
159, 229	Stouffer, Hiram C., Canfield, Ohio, assignor of one-half interest to John Childs, Smith's Ferry, Pa. Pipe-wrench	Jan. 26, 1875	857	279	7	164
166, 428	Same..... same	Aug. 3, 1875	230	70	8	221
170, 203	Stout, Alonzo D., assignor to self and Daniel W. Jaynes, Saint Louis, Mo. Friction-windlass for barrels, kegs, &c.	Nov. 23, 1875	889	277	8	874
167, 952	Stout, George H., assignor to self, John I. Davenport, and George Bliss, New York, N. Y. Addressing-machine	Sept. 21, 1875	529	169	8	498
	Stout, Hiram. (See Harris, Neah, assignor.)					
163, 116	Stout, Stephen, Tremont, Ill. Farm-fence	May 11, 1875	370	120	7	803
161, 911	Stout, Watson, Philadelphia, Pa. Grate for stoves, furnaces, &c.	Apr. 13, 1875	594	99	7	622
162, 113	Same..... Cross-piece for cooking-stoves	Apr. 13, 1875	469	155	7	644
164, 947	Stover, Daniel C., Freeport, Ill. Wire fence	June 29, 1875	1071	345	7	1108
165, 272	Same..... Windmill	July 6, 1875	117	25	8	25
162, 429	Stover, William, Auburn, N. Y. Corn-sheller	Apr. 20, 1875	783	224	7	690
160, 125	Stow, Delaraine F., Horseheads, N. Y. Bucket for chain-pumps	Feb. 23, 1875	855	283	7	322
165, 695	Stew, Henry M., San Francisco, Cal. Wood pavement	July 20, 1875	560	171	8	110
168, 605	Same..... Brick pavement	Oct. 11, 1875	464	151	8	638
164, 720	Stew, Orson W., Plantsville, Conn. Latch for doors	June 22, 1875	692	290	7	1079
	Stewa, Titus. (See Lord, Orrin E., assignor.)					
	Stowell, Barna T. (See Green, Stephen, assignor.)					
	Stowell, Nellie. (See Dunbar, Stowell & Daubar.)					
	St Pierre, Xavier. (See La Blanc & St. Pierre.)					
160, 728	Strader, Samuel M., Madison, Ind. Tbill-coupling	Mar. 9, 1875	434	144	7	419
	Straight, John A. (See Hopkins, George M., assignor.)					
	Strain, Edwin, trustee. (See Hosmer, Oren S., assignor.)					
161, 828	Strattan, Allen M., Ladoga, Ind. Harrow and roller	Apr. 6, 1875	220	74	7	600
164, 494	Stratiner, Frederick, Wilmington, Del. Fire-brick for furnaces	June 13, 1875	630	203	7	1034
160, 625	Stratton, Charles H., Monroevia, Pa. Side-hill plow	Mar. 9, 1875	341	115	7	467
160, 729	Stratton, Daniel, assignor of one-half interest to Joseph Graham, Cassopolis, Mich. Fire-shrinker	Mar. 9, 1875	435	144	7	419
	Stratton, Henry C. (See Craig, Pascal L., assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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158, 540	Stratton, Jackson B., Waterloo, N. Y. Drying-rack .....	Jan. 5, 1875	164	56	7	32
160, 945	Stratton, John F., New York, N. Y. Boiler-iced regulator .....	Aug. 24, 1875	749	232	8	331
161, 987	Stratton, Oscar G., and Baxter B. Noyes, Greenfield, Mass. Child's carriage .....	Apr. 13, 1875	358	150	7	6-0
161, 988	Stratton, Rufus, and George Olmsted, Hazardville, Conn. Horse-yoke .....	Apr. 13, 1875	359	150	7	630
	Straub Mill Company. (See Cathart, Rodney S., assignor.) .....					
	Strauss & Co., Levi. (See Davis, Jacob W., assignor.) .....					(Reissue.)
160, 126	Strauss, Gabriel, New York, N. Y. Pocket-book .....	Feb. 23, 1875	856	283	7	322
165, 273	Strausz, Emil, Chicago, Ill. Ear-muff .....	July 6, 1875	118	36	8	25
170, 028	Straw, Frank L., Boston, and Benjamin F. Sparrow, Cambridge; said Sparrow assignor to Herbert F. Sparrow, Boston, Mass. Boot and shoe tip .....	Nov. 16, 1875	697	220	8	841
	Straw, Henry D., administrator. (See Jones, Richard.) .....					
	Straw Sewing Machine Company. (See Besworth, Charles F., assignor.) .....					(Reissue.)
163, 541	Strawn, Thomas C., Perry Township, assignor to sell and N. Q. Speer, Belle Vernon, Pa. Self-loading cart .....	May 18, 1875	782	248	7	872
167, 803	Streau, Alexander, and David Miller, Harrodsburgh, Ind. Rotary engine .....	Sept. 14, 1875	391	125	8	469
166, 946	Street, Chauncey W. F., Laramie, Ill. Cheese-vat .....	Aug. 24, 1875	750	232	8	331
158, 541	Street, Frank, Council Bluffs, Iowa. Car-coupling .....	Jan. 5, 1875	165	56	7	32
	Streeter, Levi C. (See Nickelson & Streeter) .....					
	Same .....					(Reissue.)
162, 114	Streit, Anton, assignor to J. A. Fay & Co., Cincinnati, Ohio. Matching-cutters .....	Apr. 13, 1875	470	155	7	644
169, 204	Same .....	Dec. 26, 1875	859	250	8	709
158, 869	Streit, Charles, Cincinnati, Ohio. Racking-chair .....	Jan. 19, 1875	496	167	7	118
	Streit, James, et al. (See James & Streit, assignors.) .....					
163, 822	Stretcher, Howard, Indianapolis, Ind. Key-fastener .....	May 25, 1875	1037	328	7	914
163, 762	Streuby, Ferdinand, New Orleans, La. Cotton-seed huller .....	May 25, 1875	934	297	7	900
6, 736	Strickler, Walter C., Chicago, Ill., assignor to John C. Evenden and F. Cortez Wilson. Oil-tank .....	Nov. 9, 1875	574	178	8	876
	Same .....					(Reissue.)
162, 204	Stickler, Wilson, Lebanon, Mo. Insulated telegraph-wire .....	Apr. 20, 1875	568	186	7	664
163, 420	Stricklett, John G., Palo, Iowa. Car-coupling .....	May 18, 1875	606	213	7	857
	Stringer, William H., et al. (See Barr, Robert S., assignor.) .....					
159, 467	Strebrieger, Turner, New Brighton, Pa. Coffee mill .....	Feb. 2, 1875	213	69	7	214
162, 505	Stroh, Abraham, Mauch Chunk, Pa. Machine for rounding the corners of slate-frames .....	Apr. 27, 1875	877	280	7	711
171, 189	Same .....	Dec. 14, 1875	505	167	8	1025
	Stroh, John M. A. (See Wheatstone & Stroh.) .....					
170, 129	Strohma, Samuel D., assignor of one-half interest to William H. Wright, Philadelphia, Pa. Dental plunger .....	Nov. 16, 1875	795	252	8	854
162, 205	Stronbeck, Charles V., Syracuse, Ind. Harrow .....	Apr. 20, 1875	599	187	7	664
6, 497	Strong, Clark, Winsted, Conn., assignor to Strong Manufacturing Company. Casket-handle .....	June 22, 1875	1013	327	7	1093
163, 277	Strong, George H., Chicago, Ill. Pinchers .....	May 11, 1875	520	169	7	822
162, 966	Strong, George S., assignor of one-half interest to Benjamin A. F. Greer, Mount Vernon, Ohio. Earth-auger .....	May 4, 1875	217	70	7	775
	Strong Manufacturing Company. (See Strong, Clark, assignor.) .....					(Reissue.)
162, 430	Strong, Robert H., assignor of one-half interest to Clinton S. Halsey, Gatesburgh, Ill. Clock .....	Apr. 20, 1875	784	255	7	690
164, 230	Strong, Samuel, assignor to self and Eben C. Ingersoll, Washington, D. C. Pavement .....	June 8, 1875	370	126	7	992
166, 822	Strong, Samuel, assignor of one-half interest to Elou B. Ingersoll, Washington, D. C. Brick pavement .....	Aug. 17, 1875	616	191	8	304
165, 629	Strong, Samuel B., Albion, N. Y. Pump .....	July 13, 1875	487	148	8	84
	Strong, William A., jr., administrator. (See Moore, William A.) .....					
	Strong, William H. (See Barnham & Strong.) .....					
	Stroop, L. J. (See Tucker, Argyle W., assignor.) .....					
163, 950	Strond, Ezra, Riceford, Minn. Combined hame and horse collar .....	June 1, 1875	93	32	7	944
169, 055	Stroup, Wesley H., Philadelphia, Pa. Flask .....	Oct. 19, 1875	707	234	8	650
171, 327	Strubar, George G., Philadelphia, Pa. Neck-tie .....	Dec. 21, 1875	659	217	8	1033
169, 127	Strunk, William, Montgomery, Mich. Blind-slat operator .....	Oct. 26, 1875	798	258	8	700
6, 624	Strunz, Stephen, Pittsburgh, Pa. Transparent advertising-soap .....	Aug. 31, 1875	1174	749	8	398
164, 606	Same .....	June 15, 1875	723	236	7	1048
165, 627	Strunz, Stephen, Pittsburgh, Pa., assignor of one-half interest to Christopher Lipps, Baltimore, Md. Soap .....	July 13, 1875	487		8	84
165, 628	Strunz, Stephen, Pittsburgh, Pa. Transparent advertising-soap .....	July 13, 1875	486	148	8	84
	Stuart, David W., et al. (See Martin, Thomas J., assignor.) .....					
	Same .....					(See Pounds, William H., assignor.)
163, 951	Stuart, Levi B., Seymour, assignor of one-half interest to Frederic Durand, Derby, Conn. Heating stove .....	June 1, 1875	94	32	7	944
164, 337	Stuart, Timothy E., Boston, and John A. Emery, Cambridge, Mass. Rotary engine .....	June 8, 1875	470	155	7	1005
	Stuber, Jacob. (See Stuber, Johannes and Jacob.) .....					
159, 716	Stuber, Johannes and Jacob, Astoria, N. Y. Brewing beer .....	Feb. 9, 1875	447		7	255
166, 156	Studer, Henry. (See Wyss & Studer.) .....					
	Study, Leonard, Pinn Hollow, Iowa. Harrow .....	July 27, 1875	1016	313	8	185
	Stueve, Henry. (See Brockman & Stueve.) .....					
	Stuhr, Herman. (See Bohn, Stuhr & Joeken.) .....					
164, 055	Stultz, Sidney S., Cedar Rapids, Nebr. Harvester .....	June 1, 1875	189	68	7	956
159, 855	Stumm, Thomas, Ada, Ohio. Washing-machine .....	Feb. 16, 1875	593	186	7	279
	Sture, Bernard. (See Chaffee, Kenben S., assignor.) .....					
	Sturges & Co., Frank. (See Leading, George W., assignor.) .....					
	Same .....					(See Mather, Emmett, assignor.)
	Same .....					(See Sickles, George B., assignor.)
164, 495	Sturges, Charles H., Saratoga Springs, N. Y. Water-wheel .....	June 15, 1875	630	204	7	1034
	Sturges, George, et al. (See Clark, Jacob H., assignor.) .....					
	Sturtevant, Benjamin F. (See Bickford & Sturtevant.) .....					
	Same .....					(See Rawland, Charles and Joseph G., assignors.)
	Same .....					(Reissue.)
6, 300	Sturtevant, Benjamin F., Boston, Mass. Blank for shoe-pegs .....	Feb. 23, 1875	743	246	7	298
158, 998	Same .....	Jan. 19, 1875	624	207	7	124
158, 999	Same .....	Jan. 19, 1875	625	207	7	125
159, 287	Sturtevant, Benjamin F., Boston, and Francis M. Shaw, Brockton, Mass., assignors to Benjamin F. Sturtevant. Machine for forming soles on pegs .....	Feb. 2, 1875	40	15	7	190
159, 775	Sturtevant, Benjamin F., Boston, Mass. Pegging machine .....	Feb. 16, 1875	521	173	7	269
159, 776	Same .....	Feb. 16, 1875	522	174	7	269
159, 777	Same .....	Feb. 16, 1875	523	174	7	270
159, 778	Same .....	Feb. 16, 1875	524	175	7	270

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159, 856	Sturtevant, Benjamin F., Boston, Mass. Pegging-machine.	Feb. 16, 1875	594	197	7	279
153, 857	Same..... same	Feb. 16, 1875	595	197	7	279
159, 858	Same..... same	Feb. 16, 1875	597	198	7	279
159, 859	Same..... Machine for compressing sole-fastenings	Feb. 16, 1875	598	198	7	279
159, 860	Same..... Ribbon peg-wood	Feb. 16, 1875	599	199	7	279
159, 977	Same..... Peg or sole-fastening	Feb. 16, 1875	706	235	7	294
162, 967	Same..... Fan-blower	May 4, 1875	219	70	7	776
162, 968	Same..... same	May 4, 1875	219	70	7	775
162, 969	Same..... Apparatus for preparing sole-fastening materials.	May 4, 1875	220	70, 71	7	776
162, 970	Same..... Sole-fastening	May 4, 1875	221	71	7	776
162, 971	Same..... Process for manufacture of sole-fastenings	May 4, 1875	222	71	7	776
162, 972	Same..... Rod for sole-fastenings	May 4, 1875	223	72	7	776
166, 439	Same..... Machine for pointing ribbon peg-wood	Aug. 3, 1875	231	70, 71	8	232
166, 440	Same..... Machine for severing sole-fastening webs	Aug. 3, 1875	233	71	8	232
162, 431	Sturtevant, Thomas L., Framingham, Mass. Cartridge-loading implement	Apr. 29, 1875	785	255	7	690
161, 452	Stut, John C. H., San Francisco, Cal. Rotary reversing and out-off valve.	Mar. 30, 1875	1145	{ 369 370 }	7	536
158, 518	Stutzman, John J. (See George & Stutzman.)					
158, 519	Sues, Philipp, Providence, R. I. Fastening for buttons	July 13, 1875	383	114	8	69
159, 529	Sugden, John, and James P. Gaffney, Lawrence, Mass. Horse-check	Feb. 9, 1875	292	94	7	232
163, 679	Sullenberger, William H. (See Bird & Sullenberger.)					
171, 446	Sullivan, Charles P., jr., Lime Creek, S. C. Variable measure	Oct. 11, 1875	354	115	8	623
171, 440	Sullivan, Daniel M., Montgomery City, Mo. Folding coop	Dec. 21, 1875	767	252	8	1068
171, 140	Sullivan, Edward O., San Francisco, Cal. Harness for fire-engines, &c.	Dec. 14, 1875	507	167	8	1025
170, 423	Sullivan, Hamlet P., Zenia, Ill. Coin and seed planter	Nov. 23, 1875	1075	339	8	960
162, 972	Sullivan, John, Independence, Mo. Cloth-measuring machine	May 4, 1875	223	72	7	776
166, 157	Sullivan, John J. (See Holland, Charles L., assignor.)					
160, 242	Sullivan, Michael, Royalton, Wis. Car-coupling	July 27, 1875	1017	313	8	185
166, 823	Sullivan, Michael J., New York, N. Y. Beer-faucet	Feb. 23, 1875	956	314	7	336
166, 158	Sullivan, Nathan, Humboldt, Tenn. Medical composition	Aug. 17, 1875	617		8	304
166, 158	Sullivan, Swan, Savannah, Ga. Mode of applying sample-patches to cotton-bales	July 27, 1875	1017	313	8	185
158, 870	Summers, Jacob, and George W. Fay, Muncie, Ind. Spark-arrester	Jan. 19, 1875	497	167	7	108
165, 376	Summers, John P., Tiffin, Ohio. Earth-auger	July 6, 1875	215	65	8	38
167, 623	Same..... same	Sept. 14, 1875	233	72	8	416
162, 506	Summers, Thomas L., Boston, Mass. Hose-coupling	Apr. 27, 1875	878	281	7	711
163, 542	Sumner & Whitney Manufacturing Company. (See Whitney, John H., assignor.)					
170, 914	Sumpfi, Friedrich, Saint Louis, Mo. Price-indicator	May 18, 1875	784	248	7	873
161, 176	Sunderland, Leslie E., Williamsburgh, Va. Barrel	Dec. 7, 1875	228	78	8	921
163, 278	Sunderland, Lucius A., Madison, Ohio. Heater for cheese-vats	Mar. 23, 1875	860	283	7	432
164, 883	Sunderman, John H., assignor of one-half interest to Herman Moecker, Quincy, Ill. Combined rein-holder and whip-socket	May 11, 1875	521	169	7	822
158, 871	Supplet, George, Williamsport, Pa. Bedstead-fastening	June 22, 1875	994	321	7	1091
168, 539	Supple, Bernard F., et al. (See Supple, Francis, assignor.)					
170, 029	Supple, Francis, assignor to James F. and Bernard F. Supple, Boston, Mass. Horseshoe-machine	Jan. 19, 1875	497	167	7	108
168, 539	Supple, James F., et al. (See Supple, Francis, assignor.)					
170, 029	Surmon, Henry J., Belvedere, England. Gas-apparatus	Oct. 5, 1875	202	66, 67	8	593
165, 274	Sutcliffe, John. (See Cooper & Sutcliffe.)					
161, 453	Suter, Frederick L., Brooklyn, N. Y. Smoking-pipe cover	Nov. 16, 1875	698	220	8	841
162, 115	Sutherland, George. (See Walker, Alexander, assignor.)					
163, 543	Sutherland, James, deceased, by Lavancia M. Sutherland, Catskill, and Thomas Groves, Brooklyn, N. Y., administrators. Twister for making thread, twine, &c.	July 6, 1875	118	36	8	25
163, 543	Sutherland, James A., Elmwood, Ill. Gang-plow	Mar. 30, 1875	1146	370	7	537
159, 554	Sutherland, Lavancia M., administratrix. (See Sutherland, James.)	Apr. 13, 1875	470	156	7	644
166, 317	Sutherland, Benjamin W., Fillmore, Minn. Barrel-hoop	May 18, 1875	785	249	7	873
6, 751	Sutphen, Carlyle E., assignor to Johnston & Sutphen, Newark, N. J. Shirt	Feb. 9, 1875	310	101	7	234
159, 668	Sutphen, Othello, Albany, N. Y. Egg-box	Aug. 3, 1875	121	38	8	216
163, 896	Sutro, Hugo, New York, N. Y. Card for wrapping-thread (Reissue).	Nov. 16, 1875	832	261	8	858
162, 712	Sutter, Jacob, Pittsburgh, Pa. Device for welding together the flag ends of bars.	Feb. 2, 1875	215	69	7	214
167, 703	Sutton, Delay F., Philadelphia, Pa. Bit-stock	June 1, 1875	49	17	7	937
168, 620	Sutton, John, Islip, N. Y. Ash-sifter	Apr. 27, 1875	1067	359	7	734
158, 814	Sutton, John, Deep River, Iowa. Clothes-drier	Sept. 14, 1875	302	96	8	456
159, 365	Sutton, John W., New York, N. Y. Pulley cover	Aug. 3, 1875	44	14	8	205
160, 477	Sutton, Lyman W., jr., Jersey City, N. J. Dental filling	Oct. 11, 1875	354		8	623
161, 715	Sutton, Washington, Macon County, Ill. Calf-weaner	Jan. 19, 1875	448	149	7	102
167, 588	Suydam, Peter and William G., New Brunswick, N. J. Miter-box	Feb. 2, 1875	114	39	7	200
169, 929	Suydam, William G. (See Suydam, Peter and William G.)					
160, 477	Svoboda, Ferdinand, and Franz Luxa, Cleveland, Ohio. Car-brake	Mar. 2, 1875	197	68	7	377
161, 715	Svoboda, Ferdinand, and Franz Luxa, Cleveland, Ohio. Cigar-press	Apr. 6, 1875	105	38	7	584
167, 588	Swafford, Levi W., assignor to self, James S. Boran, and Charles F. Taffe, Vicksburgh, Miss. Scaffold	Sept. 7, 1875	186	57	8	432
159, 403	Swain, Alva H., Winchester, Ind. Ironing-table	Nov. 16, 1875	615	191	8	830
167, 933	Swallow, Alexander, Beloit, Wis. Machine for burnishing boot and shoe heels	Feb. 2, 1875	216	70	7	214
164, 884	Swallow, Alexander, assignor of one-half interest to Cyrus Libby, Beloit, Wis. Burnisher-holder	Sept. 21, 1875	530	169	8	498
158, 446	Swallow, William E., assignor of one-third interest to Andrew T. Connet, Flemington, N. J. Fastener for the meeting-rails of sashes	June 22, 1875	995	321	7	1091
160, 626	Swan, Amos L., Cherry Valley, N. Y. Door-bell	Jan. 5, 1875	81	28	7	21
160, 849	Swan, Charles S., Tamaroa, Ill. Press	Mar. 9, 1875	542	116	7	407
164, 639	Swan, Frederick, New York, N. Y. Needle-book	Mar. 16, 1875	517	183	7	443
170, 413	Swan, George W., San Francisco, Cal. Veneer-cutting machine	June 22, 1875	823	268	7	169
168, 427	Swan, James, Seymour, Conn. Auger-handle	Nov. 23, 1875	1076	339	8	900
161, 644	Swaney, John S. (See Chrilton, James M., assignor.)					
166, 611	Swaney, John S., Marengo, Iowa. Seedlings-puller	Oct. 5, 1875	95	33	8	578
7, 955	Swank, Hiram, Johnstown, Pa. Stopper for ladles	Apr. 6, 1875	48	18	7	576
8, 252	Swann, Thomas, Philadelphia, Pa. Candlestick	Aug. 10, 1875	413	137	8	270
8, 637	Swapp, Charles W., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet (Design)	Jan. 5, 1875			7	5
8, 638	Same..... same (Design)	Mar. 30, 1875			7	516
8, 639	Same..... same (Design)	Sept. 7, 1875			8	403
8, 640	Same..... same (Design)	Sept. 7, 1875			8	403
8, 641	Same..... same (Design)	Sept. 7, 1875			8	403
8, 642	Same..... same (Design)	Sept. 7, 1875			8	403

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161, 989	Swarthout, William, Quincy, Ill. Car-truck .....	Apr. 13, 1875	359	121	7	630
165, 382	Swarthout, William A., assignor to self and Roswell W. Gates, Aurora, Ill. Agricultural boiler .....	July 6, 1875	226	68	8	39
168, 806	Swarthout, William R., Penn Yan, N. Y. Tire-tightener .....	Oct. 11, 1875	465	152	8	638
164, 553	Swarthout, John H., and Albert L. Whedon, Geddes, N. Y. Grate .....	Mar. 9, 1875	279	95	7	398
164, 111	Swarthout, Thomas G., executor. (See Lovatt, John) .....					
	Swartz, George A., Orangeville, Ill. Corn-harvester .....	June 8, 1875	263	90	7	977
	Swartz, Gilbert R. (See Swartz, Samuel, assignor.) .....					
	Swartz, John H. (See Rhodes & Swartz.) .....					
170, 915	Swartz, Samuel, assignor to self and Gilbert R. Swartz, Buffalo, N. Y. Press-plate for drying and bending wood .....	Dec. 7, 1875	229	79	8	981
165, 519	Swasey, Ambrose, Hartford, Conn. Protractor .....	July 13, 1875	384	114	8	69
165, 354	Swasey, Ambrose, assignor of part interest to Worcester R. Warner, Hartford, Conn. Water-meter .....	Oct. 5, 1875	31	12	8	569
171, 662	Swasey, Benjamin, San Francisco, Cal. Process of printing photographs .....	Dec. 14, 1875	275	127	8	1009
164, 697	Swasey, James H., Waltham, Mass. Recumbent chair .....	Jan. 15, 1875	724	236	7	1048
160, 797	Swasey, Samuel T., Salem, Mass. Glue-drier .....	Mar. 16, 1875	525	169	7	438
161, 990	Same..... Drying apparatus .....	Apr. 13, 1875	360	121	7	630
159, 051	Swehla, Mathias. (See Nuvinska, Joseph, assignor.) .....					
169, 056	Sweeney, Peter, New York, N. Y., and Albert Beach, jr., assignors to Albert Beach, Newark, N. J. Manufacture of vegetable felt .....	Jan. 26, 1875	695		7	141
	Sweet, Benjamin F., Fond du Lac, Wis. Sleigh .....	Oct. 19, 1875	708	233	8	680
	Sweet, Clayton E. (See Norris & Sweet.) .....					
169, 057	Sweet, Clinton W. (See Vergnes, Charles M., assignor.) .....					
	Sweet, Daniel F., assignor of one-half interest to Homer Moul and J. Lee Reed, Hastings, Mich. Electric clock .....	Oct. 19, 1875	708	234	8	680
160, 554	Sweet, Eli M. (See Outhoudt, Heberlin & Sweet.) .....					
	Sweet, John, assignor of one-half interest to John A. Tillinghast, Providence, R. I. Sash-holder .....	Mar. 9, 1875	280	95	7	398
171, 249	Sweet, John, Providence, R. I. Sash-lift .....	Dec. 21, 1875	593	194	8	1044
166, 318	Sweet, John E., Ithaca, N. Y. Screw-trap .....	Aug. 3, 1875	121	38	8	216
	Sweet, John M. (See Lapp & Sweet.) .....					
163, 823	Sweet, Lebbeus, Wellsville, N. Y. Portable steam-engine .....	May 25, 1875	1038	329	7	914
	Sweetland, Alvah. (See Smith, Annie R., assignor.) .....					
160, 850	Sweetland, Jerome B., Pontiac, Mich. Elevator .....	Mar. 16, 1875	565	{ 183 184 }	7	444
158, 542	Sweetland, Nathan, assignor to American Butt Company, Providence, R. I. Vegetable-sheet .....	Jan. 5, 1875	165	57	7	32
	Swett, Daniel, et al. (See Bonney, William A., assignor.) .....					
164, 885	Swett, Nathaniel A., Westbrook, Me. Heel-shave .....	June 22, 1875	996	321	7	1091
	Swett, Quimby & Perry, et al. (See Brown, Albert, assignor.) .....					
	Swett, Quimby & Perry. (See Quimby, Julius F., assignor.) .....					
	Swett, Quimby & Perry. (See Vedder & Ritchie, assignors.) .....					
	Swick, George W., et al. (See Long, Charles B., assignor.) .....					
159, 978	Swift, Alexander, Cincinnati, Ohio, and James E. York, Newport, Ky. Roll for rolling angle iron .....	Feb. 16, 1875	708	255	7	294
	Swift, Charles, et al. (See Warren & Packard, assignors.) .....					
	Swift, Jonathan, et al. (See Warren & Packard, assignors.) .....					
	Swift, Joseph H. (See Bopp, Christ, assignor.) .....					
169, 496	Swift, Oliver, Madison, Wis. Sad-iron .....	Nov. 2, 1875	155	51	8	756
165, 039	Swift, Rufus B., and Thomas J. List, Cleveland, Ohio. Flask for casting propeller-wheels .....	June 29, 1875	1144	{ 369 370 }	7	1118
	Swift, William H., et al. (See Burridge, Thomas H., assignor.) .....					
165, 630	Swindell, William, Allegheny, Pa. Metallurgic furnace .....	July 13, 1875	458	148	8	84
174, 063	Swingle, Alfred, San Francisco, Cal. Clutch .....	Dec. 14, 1875	286	128	8	1009
159, 861	Swingle, George R., Frederickstown, Ohio. Broom .....	Feb. 16, 1875	680	199	7	280
167, 362	Swisher, David N., and Eli P. Campbell, Troy, Ohio. Bolting-chest .....	Aug. 31, 1875	1152	362	8	394
	Swords, George H. (See Siver & Swords.) .....					
166, 484	Sykes, Charles J., Chicago, Ill. Lantern .....	Aug. 10, 1875	302	91	8	219
166, 729	Same..... Inhaler .....	Aug. 17, 1875	536	164	8	292
167, 709	Sykes, Henry, New York, assignor to self and William Campbell, Brooklyn, N. Y. Wooden frame for hinged awnings .....	Sept. 14, 1875	302	96	8	456
	Sylvester, Charles F. (See Sanford, Joseph H., assignor.) .....					
159, 470	Sylvester, Cyrus O., Attica, Ind. Pump .....	Feb. 2, 1875	217	70	7	214
164, 781	Symmes, Joseph R., Hamilton, Ohio. Seed-drill .....	June 22, 1875	893	291	7	1079
167, 280	Same..... Machine for gathering grass-seed .....	Aug. 31, 1875	1079	337	8	384
162, 116	Synge, Millington H., London, England. Earth-closet .....	Apr. 13, 1875	472	156	7	644
162, 117	Synnot, Thomas J., Wenonah, N. J. Bottle .....	Apr. 13, 1875	473	156	7	644
163, 863	Syverson, Andreas, Chicago, Ill. M. elme for making pipe-elbows .....	Nov. 9, 1875	546	170	8	812
166, 652	Szabo, Alexander A., Houston, Tex. Bale-tie .....	Aug. 10, 1875	444	137	8	270
169, 497	Taber, Freeman A., assignor to Philip S. Page, Boston, Mass. Lamp .....	Nov. 2, 1875	156	51	8	756
171, 638	Taber, Freeman A., Boston, Mass. Lamp-burner .....	Dec. 28, 1875	983	318	8	1105
158, 872	Taber, Isaiah W., and Thomas H. Boyd, San Francisco, Cal. Photographic plate holder .....	Jan. 12, 1875	498	168	7	108
170, 204	Same..... Photographic background .....	Nov. 23, 1875	889	278	8	874
169, 740	Taber, Orrin, Santa Clara, Cal. Horse hay-fork .....	Nov. 9, 1875	419	133	8	797
	Taber, Walter. (See Whiting, James M., assignor.) .....					
	Taffe, Charles F., et al. (See Swafford, Levi W., assignor.) .....					
	Taft, George C. (See Prouty, Coes & Taft.) .....					
164, 948	Taft, Gustavus E., Northbridge, Mass. Beater for cotton-pickers .....	June 29, 1875	1071	345	7	1108
170, 784	Taft, Jerome C., Providence, R. I. Machine for sewing buttons to cloth, &c .....	Dec. 7, 1875	119	78	8	966
160, 969	Taft, Owen W., New York, N. Y. Handle for cutlery .....	Mar. 16, 1875	669	218	7	458
161, 295	Same..... Attaching hollow handles to cutlery .....	Mar. 23, 1875	982	321	7	507
161, 573	Same..... Table implement .....	Mar. 30, 1875	1267	407	7	552
167, 039	Same..... Picture-nail .....	Aug. 24, 1875	847	261	8	343
161, 454	Taggart, John, Boston, Mass. Air and gas engine .....	Mar. 30, 1875	1147	370	7	537
162, 116	Taggart, Samuel, Indianapolis, Ind. Flour and sugar packer .....	Apr. 13, 1875	474	156	7	644
166, 906	Same..... Auger for flour packers .....	Aug. 17, 1875	698	217	8	315
	Tagliabue, Guiseppe. (See Draper, Daniel, assignor.) .....					
	Same..... (See Menici, Antonio, assignor.) .....					
171, 590	Tainter, J. Burham, Menomonee, Wis. Snap-hook .....	Dec. 22, 1875	920	301	8	1097
162, 119	Tait, Augustus H., Jersey City, N. J. Apparatus for preserving meat, fish, and vegetables .....	Apr. 13, 1875	476	157	7	645
162, 432	Same..... Ice-machine .....	Apr. 20, 1875	785	215	7	691
163, 279	Same..... same .....	May 11, 1875	521	169	7	822

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
171, 191	Tait, Thomas, Rochester, N. Y. Water-wheel.....	Dec. 14, 1875	508	167	8	1025
	Tait, Joseph G. (See Burnham & Tait.)					
170, 036	Talbot Clarke, Charles, assignor of two-thirds interest to William W. Leigh and Amos S. Warner, San Francisco, Cal. Cigar-machine.....	Nov. 16, 1875	699	220	8	841
163, 355	Talbot, Thomas, jr., Syracuse, N. Y. Sbling-bracket.....	Oct. 5, 1875	32	12	8	569
	Talcott, Samuel C. (See Andrews & Talcott.)					
	Same..... (See Williamson, William H., assignor.)					
6, 417	Talcott, Samuel C., Ashtabula, Ohio. Strap-loop..... (Reissue)..	May 4, 1875	250	80	7	780
6, 829	Same..... Measuring packaged fabrics..... (Reissue)..	Dec. 28, 1875	993	321	8	1106
163, 131	Same..... same.....	June 29, 1875	1226	394	7	1130
	Talcott, William A., et al. (See Barnes, John, assignor.)					
	Same..... (See Burson & Nelson, assignors.)					
	Same..... (See Cook, Andrew J., assignor.)					
161, 991	Talcott, William A. (See Prentice, Behel & Talcott.)					
163, 703	Talley, John W., assignor to self and Thomas W. Buell, Paxton, Ill. Seed-sower.....	Apr. 13, 1875	361	131	7	630
159, 052	Tallmadge, James D., Chicago, Ill. Coal-shovel.....	May 25, 1875	935	297	7	960
	Tallmadge, John E., Auburn, N. Y. Magazine-stove.....	Jan. 26, 1875	696	229	7	141
162, 869	Tallman, Jedediah M. (See Beaver & Tallman.)					
159, 471	Tallman, John C., New York, N. Y. Besom-pad.....	May 4, 1875	121	40	7	763
	Tallman, William F., Mineville, N. Y., and James H. Manderville, Washington, D. C. Ball-and-socket-joint fastening.....	Feb. 2, 1875	218	70	7	214
163, 741	Talpey, Joseph A., Somerville, assignor of one-half interest to E. Emmons Graves, Boston, Mass. Time-signal for railways.....	Nov. 9, 1875	420	133	8	797
160, 851	Tamms, Henry, Bartlett, Ill. Manle.....	Mar. 16, 1875	566	184	7	444
164, 332	Tandy, Mark, assignor of one-half interest to B. Mendenhall, Dallas City, Ill. Soldering-clamp.....	June 8, 1875	371	126	7	992
170, 970	Tanner, Charles M., Defiance, Ohio. Crosscut-saw handle.....	Dec. 14, 1875	304	101	8	998
	Tanner, Edgar V. (See Dexter & Tanner.)					
168, 589	Tanner, William, New Brighton, Pa., assignor of one-half interest to James H. McConnell. Stove-leg.....	Oct. 11, 1875	274	89	8	610
	Tapley Heel Burnishing Machine Association. (See Adly, Charles J., assignor.)					
167, 629	Tapl y, Jesse F., Springfield, Mass. Calendar.....	Sept. 14, 1875	234	73	8	446
164, 036	Taplin, Albert J., Bloomington, Ill. Graining-roller.....	June 1, 1875	191	69	7	957
6, 656	Taplio, Alvin, Forestville, assignor to Bristol Brass and Clock Company, Bristol, Conn. Lamp-burner..... (Reissue)..	Sept. 21, 1875	662	210	8	516
161, 912	Taplin, Alvin, Forestville, Conn. Mode of forming sheet-metal threaded collars.....	Apr. 13, 1875	295	99	7	622
166, 319	Tappae, William H., assignor to Charles Whitlock, New York, N. Y. Machinery for making blinds.....	Aug. 3, 1875	123	38	8	217
	Tappey, W. H., et al. (See Beasley, Charles J., assignor.)					
164, 608	Tappey, William H., Alexander Steel, and Charles J. Beasley, Petersburg, Va.; said Beasley assignor to said Tappey and Steel. Cotton and hay press.....	June 15, 1875	725	236	7	1048
161, 839	Tapscott, John B., Clarksville, Tenn. Railway-rail-joint fastening.....	Apr. 6, 1875	221	74	7	600
6, 753	Tarbox, H. L. (See Tarbox, Jerome L. and H. L.)..... (Reissue)..					
	Tarbox, Jerome L. and H. L., New York, assignors, by mesne assignments, to John T. Andrews, 2d, Penn Yan, N. Y. Stencil-plate..... (Reissue)..	Nov. 16, 1875	634	262	8	858
171, 322	Tardes, Jules, jr., New Orleans, La. Apparatus for treating tallow, oils, &c.....	Dec. 21, 1875	690	217	8	1053
168, 500	Turner, Charles M., Defiance, Ohio. Crosscut-saw handle.....	Oct. 11, 1875	274	89	8	610
169, 927	Tarr, Henry S., Philadelphia, Pa. Plumb-level.....	Nov. 16, 1875	616	191	8	830
159, 472	Tarr, John B., Fairhaven, Mass. Apparatus for casting ingots.....	Feb. 2, 1875	220	71	7	215
159, 510	Same..... Car-wheel.....	Feb. 9, 1875	233	94	7	232
164, 057	Tartiere, Lucien A., Elizabethport, N. J. Apparatus for casting hollow articles of cement.....	June 1, 1875	152	69	7	957
160, 038	Tascott, James B., Chicago, Ill. Glass compound for paints.....	Feb. 23, 1875	782	.....	7	311
161, 574	Tavener, Robert W., Bay City, Mich. Manufacture of medicated beer.....	Mar. 30, 1875	1268	407	7	552
158, 873	Taylor, Amos C., Ottoloke, Ohio. Burglar-alarm.....	Jan. 19, 1875	498	163	7	108
	Taylor and Farley Organ Company. (See Norton, Jabez E., assignor.)					
162, 258	Taylor, Augustus E., New Britain, Conn. Toy pistol.....	Apr. 20, 1875	620	202	7	670
160, 730	Taylor, David, United States Army, assignor to self and Thomas Ewing, Tucson, Ariz. Cartridge-belt.....	Mar. 9, 1875	436	145	7	419
171, 639	Taylor, David, Leavenworth, Kans., assignor to self and Thomas Ewing, Tucson, Ariz. Cartridge-belt.....	Dec. 28, 1875	983	318	8	1105
	Taylor, De Witt C. (See Rhodes & Swartz, assignors.)					
168, 854	Taylor, De Witt C., Brooklyn, N. Y. Water-mefer.....	Oct. 19, 1875	519	170	8	654
166, 947	Taylor, Ferdinand, Danbury, Conn. Lock for fire-arms.....	Aug. 24, 1875	751	233	8	331
161, 992	Taylor, Francis C., Danbury, Conn. Machine for stretching the tips of hat-bodies.....	Apr. 13, 1875	362	121	7	631
	Taylor, Franklin. (See Chandler & Taylor.)					
	Same..... (See Chandler, Thomas E., assignor.)					
167, 805	Taylor, Franklin, assignor to self and Thomas E. Chandler, Indianapolis, Ind. Ditching-machine.....	Sept. 14, 1875	393	126	8	469
160, 127	Taylor, Fred. J., Laporte City, Iowa. Spool-holder.....	Feb. 23, 1875	856	283	7	322
165, 890	Taylor, Gamaliel, De Witt, Mo. Earth-auger.....	July 20, 1875	747	229	8	135
168, 063	Taylor, George E., Philadelphia, Pa. Sheet-iron blank.....	Sept. 21, 1875	647	205	8	514
168, 808	Taylor, George T., Boston, Mass. Valve.....	Oct. 11, 1875	466	152	8	638
165, 132	Taylor, Harrison P., assignor to self and P. A. Painter, Minerva, Ohio. Guide for bench-planes.....	June 29, 1875	1226	394	7	1130
158, 753	Taylor, Harry S., Wilmington, Del. Lumber-drier.....	Jan. 12, 1875	366	125	7	75
167, 804	Taylor, Horace M., and Albert McCamish, assignor of one-third interest to William H. Smith, Bardstow; said Taylor, McCamish, and Smith assignors of one-fourth interest to Robert O. Loosley, Rock Island, Ill. Steam-car-brake.....	Sept. 14, 1875	391	125	8	469
163, 952	Taylor, Jacob, Millerstown, Pa., assignor of one half interest to Edw. F. Randolph, Ridgeway, N. Y. Torpedo for oil-wells.....	June 1, 1875	95	32	7	944
	Taylor, James E., et al. (See Pichl, John F., assignor.)					
162, 120	Taylor, James E., assignor to Taylor Manufacturing Company, Westminster, Md. Steam-engine cylinder.....	Apr. 13, 1875	477	157	7	645
162, 713	Same..... Horse hay-rake.....	Apr. 27, 1875	1063	310	7	734
168, 681	Taylor, James J. W., Havre de Grace, Md. Cinder-warder for railway-cars.....	Oct. 11, 1875	354	116	8	623
168, 807	Taylor, John, assignor of two-thirds interest to Lewis Harmony and Jabez S. Woodward, Lockport, N. Y. Pressure-regulator.....	Oct. 11, 1875	466	152	8	638
158, 754	Taylor, John F., Charleston, S. C. Sectional steam-boiler.....	Jan. 12, 1875	367	125	7	76
160, 731	Same..... Hydraulic packing.....	Mar. 9, 1875	437	145	7	420
162, 121	Same..... Platen for lever and toggle-presses.....	Apr. 13, 1875	447	157	7	645
165, 891	Same..... Hydraulic press.....	July 20, 1875	748	229	8	136
166, 653	Same..... Steam cylinder for cotton-presses.....	Aug. 10, 1875	414	137	8	270
167, 763	Same..... Combination cotten-press.....	Aug. 31, 1875	1152	362	8	394
166, 320	Taylor, John M., Boston, Mass. Parallel-ruler.....	Aug. 3, 1875	121	38	8	217
165, 040	Taylor, John R., Eagle Point, Ill. Pitman.....	June 29, 1875	1149	370	7	1119
	Taylor, Lee. (See Wood & Taylor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. & G.	Vol.	Page.
169, 928	Taylor, Lucian A., Skaneateles, N. Y. Horse hay-rake .....	Nov. 16, 1875	617	191	8	830
	Taylor Manufacturing Company. (See Taylor, James E., assignor.)					
163, 897	Taylor, Martin. (See Liddell, William, assignor.)					
6, 741	Taylor, Oliver L., Manlius, N. Y. Car-coupling .....	June 1, 1875	50	17	7	937
6, 742	Taylor, Robert B., Oconto, Wis. Clamp for shingle-packers .....	Nov. 16, 1875	819	258	8	857
170, 971	Same..... Shingle-packer .....	Nov. 16, 1875	819	258	8	857
164, 405	Taylor, Royal C., Brockport, N. Y. Reel-rake for harvesters .....	Dec. 14, 1875	305	101	7	998
161, 193	Taylor, T. Chalkley, Philadelphia, Pa. Composition for coating blocks of caustic alkali	June 15, 1875	551	.....	7	1024
165, 631	Taylor, Van Rensselaer R., Syracuse, N. Y. Blacksmith's tycero .....	Apr. 13, 1875	362	122	7	661
170, 805	Taylor, Warren H. (See Heumann & Taylor.)					
165, 631	Taylor, Warren H., Stamford, Conn. Lock .....	July 13, 1875	439	149	8	84
170, 805	Taylor, Warren H., and Thomas Donahue, Stamford, Conn. Curtain-roller and bracket.	Nov. 23, 1875	800	278	8	874
158, 755	Taylor, William, Saint Louis, Mo. Boiler for water-heaters .....	Jan. 12, 1875	368	{ 125 126 }	8	84
	Taylor, William J., et al. (See Detwiller, Henry J., assignor.)					
166, 159	Taylor, William J., High Bridge, N. J. Calcining-kiln .....	July 27, 1875	1018	314	8	185
162, 506	Tayman, Benjamin F., assignor of one-half interest to James B. Roney, Philadelphia, Pa. Machine for edge-setting the soles of boots and shoes	Apr. 20, 1875	570	187	7	664
169, 061	Teachout, Albert P., Madison, assignor of one-half interest to Joseph Hayward, Cleveland, Ohio. Middlings-purifier .....	Oct. 19, 1875	711	235	8	681
169, 864	Teahl, John H., assignor to Davis R. Hendrix, Reading, Pa. Bearings for upright shafting .....	Nov. 9, 1875	517	170	8	813
166, 824	Teal, Charles A., Philadelphia, Pa. Hair-picker .....	Aug. 17, 1875	618	191	8	3 4
6, 309	Teal, Daniel E., New Lisbon, N. Y., assignor to Heywood Brothers & Co., Gardner, Mass. Tilting chair .....	Feb. 23, 1875	974	320	7	339
166, 907	Teas, Andrew, Newark, N. J. Harness-saddle tree .....	Aug. 17, 1875	609	217	8	315
170, 916	Same..... Harness-saddle .....	Dec. 7, 1875	240	79	8	981
161, 575	Tebow, Theodore, assignor to self and John F. Miller, Lexington, Ky. Scale-beam .....	Mar. 30, 1875	1268	408	7	552
161, 576	Tebow, Theodore, Lexington, Ky. Scale-beam .....	Mar. 30, 1875	1269	408	7	552
163, 880	Same..... Machine for finishing cordage, rope, &c. ....	May 11, 1875	523	{ 160 168 }	7	822
171, 192	Teed, Colby F., Elmira, N. Y. Bow and arrow .....	Dec. 14, 1875	510	168	8	1025
169, 385	Teed, Lorenzo P., Erie, Pa. Roofing composition .....	Nov. 2, 1875	62	.....	8	743
	Teed, Pehl. (See Tyler, Hiram, assignor.)					
	Teegarden, George. (See Teegarden, William, assignor.)					
159, 123	Teegarden, William, assignor of one-half interest to George Teegarden, Higginsport, Ohio. Hub for vehicle-wheels .....	Jan. 26, 1875	759	250	7	150
171, 490	Teets, Charles A., New York, N. Y. Stove-polish .....	Dec. 28, 1875	826	.....	8	1084
168, 428	Teets, Charles E., New York, N. Y. Hair-brush .....	Oct. 5, 1875	96	33	8	579
	Tefft, Walter. (See Reynolds & Tefft.)					
	Telford, George. (See Gordon, Myers, Telford & Hubbard.)					
171, 329	Same..... (See Gordon, Telford & Myers.)	Dec. 21, 1875	661	217	8	1053
	Tell, Horace, Bristol, Md. Portable fence .....					
8, 254	Templeton, James. (See Greenwood & Templeton.)					
165, 936	Ten Eyck, Cornelius, White Horse Station, N. J. Towel-rack .....	Mar. 30, 1875	.....	.....	7	516
164, 782	Ten Eyck, Matthew C., Saint Paul, Minn. Tailors' drafting apparatus .....	Oct. 19, 1875	597	197	8	665
	Ten Eyck, Sanford R., et al. (See Asditt, Eugene T., assignor.)					
161, 074	Tenny, Charles F., and Thomas J. Hobbs, assignors to Thompson, Perley & Waite, Baldwinville, Mass. Combined carriage and chair for children .....	June 22, 1875	894	291	7	1079
161, 177	Terrell, Richard, New Orleans, La. Bale-tie .....	Mar. 23, 1875	770	254	7	480
161, 178	Same..... same .....	Mar. 23, 1875	847	283	7	493
160, 484	Same..... same .....	Mar. 23, 1875	867	284	7	493
	Terrey, Charles A., Southwark, England. Method of setting diamonds in drills .....	Mar. 2, 1875	205	70	7	378
	Terrill, Lomdus F. (See Scribner, George H., assignor.)					
165, 432	Terry, William A., Bristol, Conn. Calendar-clock .....	July 13, 1875	301	89	8	57
	Terwilliger, Alonzo H., et al. (See Asditt, Eugene T., assignor.)					
168, 429	Terwilliger, William H., et al. (See Prentice, John, assignor.) .....	.....	.....	.....	.....	.....
162, 122	Teske, Charles, Saratoga Springs, N. Y. Watch-regulator .....	Oct. 5, 1875	96	33	8	579
159, 230	Tesseyman, John, Dayton, Ohio, assignor to Preserved Smith. Steam-pump .....	Apr. 13, 1875	478	158	7	645
167, 710	Tetley, William, Pana, Ill. Umbrella .....	Jan. 26, 1875	858	280	7	164
161, 296	Same..... Apparatus for holding meat in cutting .....	Sept. 14, 1875	303	96	8	456
	Tewksbury, Andrew J., Haverhill, Mass. Tray or screen for coal-gas purifiers .....	Mar. 23, 1875	982	321	7	507
	Thackara, Benjamin, et al. (See Blaisse, George F., assignor.)					
161, 994	Thackara, Charles, assignor to Barrows & Boyd, New York, N. Y. Cork sole for shoes.	Apr. 13, 1875	363	122	7	631
169, 742	Thackrab, Benjamin, Amsterdam, N. Y. Cloth-napping machine .....	Nov. 9, 1875	422	131	8	798
	Thatcher, John J., et al. (See Brittain, Richard J., assignor.)					
	Thayer, A. B. (See Emmert, John, assignor.)					
164, 233	Thayer, Charles W. (See Thayer, Olney S., assignor.)					
	Thayer, Eli, Worcester, Mass. Roofing composition .....	June 8, 1875	371	.....	7	992
	Thayer, Jasper. (See Chase, Charles H., assignor.)					
159, 531	Thayer, Jasper, New Orleans, La. Cotton-hale tie .....	Feb. 9, 1875	293	95	7	232
166, 731	Thayer, John A., Cambridgeport, Mass. Hatchet .....	Dec. 14, 1875	306	102	8	999
	Thayer, Olney S., assignor of one-half interest to Charles W. Thayer, Woonsocket, R. I. Washing-machine .....	Aug. 17, 1875	548	165	8	292
160, 852	Thayer, Walter W., New York, N. Y. Gun for mixing paint .....	Mar. 16, 1875	566	184	7	414
168, 937	Thebard, Victor C., Buffalo, N. Y. Saddle shoe .....	Oct. 19, 1875	598	197	8	665
167, 040	Theberath, Charles M., Newark, N. J. Harness-mounting .....	Aug. 24, 1875	837	261	8	313
164, 338	Thebald, John, Cleveland, Ohio. Clothes-drier .....	June 8, 1875	471	156	7	1005
171, 066	Thebald, Lewis, Plainwell, Mich. Grain-separator .....	Dec. 14, 1875	389	129	8	1009
170, 785	Thickins, John C., Washington Mills, N. Y. Loom-temple .....	Dec. 7, 1875	120	38	8	966
163, 898	Thiel-pape, Wilhelm C. A., and Herman Kroeschell, Chicago, Ill. Base for colors in painting with soluble silicates .....	June 1, 1875	51	.....	7	937
161, 297	Thiery, Charles, Newark, N. J. Ornamental chain .....	Mar. 23, 1875	983	321	7	508
162, 324	Thiery, Charles L., Boston, Mass. Machine for the manufacture of watch-cases .....	Apr. 20, 1875	675	221	7	675
	Thinnes, Frederick. (See Thinnes & Schuler.)					
162, 433	Thinnes, Jacob and Frederick, and Charles Schuler, Brooklyn, N. Y. Fastening for casters, knobs, &c .....	Apr. 20, 1875	787	256	7	691
	Thissell, Earl A., et al. (See Johnson, Henry M., assignor.)					
	Thissell, Earl A. (See Lombard, Oliver D., assignor.)					
	Thistle, John, et al. (See E-H, Jasper N., assignor.)					
166, 948	Thode, Adolph, Brooklyn, N. Y. Washing-fluid .....	Aug. 31, 1875	752	.....	8	331
167, 714	Thom, Royal H., Syracuse, N. Y. Steam-generator .....	Sept. 14, 1875	303	96	8	456
171, 591	Thoma, Alois, Hoboken, N. J. Refrigerator-car .....	Dec. 22, 1875	921	304	8	1097

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr. et	Vol.	Page.
169, 598	Thomacich, Vincente F., Mobile, Ala. Drive-well packing.....	Nov. 2, 1875	259	83	8	769
	Thomas, Alfred. (See Caffall & Thomas.)					
168, 939	Thomas, Amos D., Mount Etna, Iowa, assignor of one-half interest to W. D. Thompson. Separator-sboe for thrashing-machines.....	Oct. 19, 1875	599	198	8	666
164, 339	Thomas, Amos W., Philadelphia, Pa. Bustle.....	June 8, 1875	472	157	7	1005
164, 340	Same..... same.....	June 8, 1875	473	157	7	1005
161, 577	Thomas, Catharine. (See Joyce, Thomas T., assignor) Thomas, Charles F., assignor of one-half interest to Herman Joerns, New York, N. Y. Coal-hod.....	Mar. 20, 1875	1270	408	7	553
160, 485	Thomas, Charles F., and Herman Joerns, New York, N. Y. Fire-escape elevator.....	Mar. 2, 1875	206	71	7	378
160, 039	Thomas, Chauncey, Boston, Mass. Landau.....	Feb. 23, 1875	783	258	7	311
168, 450	Same..... Carriage.....	Oct. 5, 1875	97	34	8	579
159, 717	Thomas, Chauncey, and William K. Parker, assignors to Chauncey Thomas and D. P. and L. B. Nichols, Boston, Mass. Carriage-flap fastener.....	Feb. 9, 1875	448	150	7	255
161, 913	Thomas, David W., Galesburgh, Ill. Thill-coupling.....	Apr. 13, 1875	296	100	7	622
165, 520	Thomas, Eddy T., Boston, Mass. Machine for attaching stamps and sealing letters.....	July 13, 1875	385	114	8	69
161, 717	Thomas, Elcazer, Pawtucket, R. I. Rest for truing off emery-wheels.....	Apr. 6, 1875	107	38	7	584
169, 059	Thomas, Frederick, Bloomington, Ill. Coffee-roaster.....	Oct. 19, 1875	710	234	8	600
169, 498	Same..... same.....	Nov. 2, 1875	157	52	8	756
	Thomas, George S. (See Lawrence & Thomas.)					
	Thomas, Henry, et al. (See Frasch, Herman, assignor.)					
168, 064	Thomas, Hugh, New York, N. Y. Planer-chuck.....	Sept. 21, 1875	647	205	8	514
168, 938	Same..... Chuck for rock-drills.....	Oct. 19, 1875	598	198	8	665
	Thomas, John E. (See Richter, Rudolph, assignor.)					
164, 609	Thomas, John F., Ilion, N. Y. Fastening wheels and pulleys to shafts.....	June 15, 1875	726	237	7	1048
166, 039	Same..... Pitman.....	July 27, 1875	90	278	8	168
170, 917	Same..... Ratchet-wheel.....	Dec. 7, 1875	231	79	8	902
170, 130	Thomas, John H., Springfield, Ohio. Horse-rake.....	Nov. 16, 1875	795	282	8	854
166, 568	Thomas, John R., Hamilton, Ohio. Die for forming the eyes of tools.....	Aug. 10, 1875	370	114	8	259
6, 216	Thomas, Leopold, Hoboken, N. J., assignor to American Hot Rolled Shafting Company, New York, N. Y. Machine for rolling metals..... (Reissue.)	Jan. 12, 1875	386	131	7	78
	Thomas, Ludlow & Rogers. (See Bogle, James S., assignor)					
160, 798	Thomas, Nicholas. (See Hull & Thomas)..... (Reissue.)	Mar. 16, 1875	525	169	7	438
170, 206	Thomas, Robert, Toronto, Canada. Coking-stove.....	Nov. 23, 1875	891	278	8	874
	Same..... same..... (Reissue.)					
161, 716	Thomas, Robert P. (See Outland & Thomas)..... (Reissue.)	Apr. 6, 1875	106	38	7	584
	Thomas, Samuel A., Philadelphia, Pa. Mouth-piece lid for gas-retorts.....					
161, 840	Thomas, Samuel T. (See Johnson, Albert F., assignor)..... (Reissue.)	Apr. 6, 1875	222	74	7	600
	Thomas, Septimus, Philadelphia, Pa. Separating refuse from coal.....					
	Thomas, William W. (See Potter & Thomas)					
166, 321	Thompkins, Albert. (See Thompkins, Ira and Albert.)					
165, 696	Thompkins, Ira and Albert, Troy, N. Y. Knitting-machine.....	Aug. 3, 1875	125	39	8	217
164, 610	Thompson, Albert, Stark, N. H. Clothes-line reel.....	July 20, 1875	561	171	8	110
164, 664	Thompson, Arthur F. (See Marsh & Thompson.)					
168, 591	Thompson, Charles H., Chicago, Ill. Die for welding cultivator-axles.....	June 15, 1875	727	237	7	1048
160, 363	Thompson, Charles H., Moline, Ill. Die for making land-sides for plows.....	June 22, 1875	787	258	7	1065
163, 545	Thompson, David B., assignor to Farnham Type Setter Manufacturing Company, Hartford, Conn. Type-setting machine.....	Oct. 11, 1875	275	89	8	610
162, 587	Thompson, Davis G., Waltham, Mass. Cable-stopper.....	Mar. 2, 1875	93	34	7	362
159, 862	Thompson, Elisha A., Daleville, Ala. Wagon-brake.....	May 18, 1875	687	249	7	873
170, 786	Thompson, George H., Georgetown, D. C. Ironing-table.....	Apr. 27, 1875	945	303	7	719
	Thompson, George M., Boston, Mass. Car-coupling.....	Feb. 16, 1875	600	199	7	290
	Thompson, Harry, assignor to self and George W. McConnell, Decatur, Ill. Tire.....	Dec. 7, 1875	120	39	8	966
	Thompson, Henry B. (See Tuttle & Thompson.)					
	Thompson, Henry G. (See Brewer, Roland L., assignor.)					
159, 473	Thompson, Henry G., and Charles Luke, Milford, Conn.; said Luke assignor to said Thompson. Tack-driving machine for boots and shoes.....	Feb. 2, 1875	221	72	7	215
159, 474	Same..... same.....	Feb. 2, 1875	222	72	7	215
162, 123	Same..... same.....	Feb. 2, 1875	223	72	7	215
	Thompson, Hugh M., Saint Louis, Mo. Compound for fire-bricks.....	Apr. 13, 1875	479	.....	7	645
	Thompson, James B. (See Logan & Thompson)					
	Thompson, James M. (See White, George W., assignor)					
171, 064	Thompson, James P., Milwaukee, Wis. Adjustable draft-bar for cotters.....	Dec. 14, 1875	287	128	8	1009
168, 296	Thompson, John A., Readington, N. J. Cultivator.....	Sept. 28, 1875	872	279	8	552
161, 036	Thompson, John J., Goshen, N. Y. Sewing-machine attachment.....	Mar. 23, 1875	771	274	7	481
159, 000	Thompson, Joseph, Albany, Wis. Butter-worker.....	Jan. 19, 1875	626	207	7	125
162, 714	Thompson, Joseph W., assignor to self and Buckeye Engine Company, Salem, Ohio. Balanced and end-off valve.....	Apr. 27, 1875	1068	340	7	734
162, 715	Same..... Valve-gear for steam-engines.....	Apr. 27, 1875	1069	340	7	734
167, 364	Same..... Indicator for steam-engines.....	Aug. 31, 1875	1153	363	8	395
171, 330	Thompson, Leslie H., Guide Rock, Nebr. Water-elevator.....	Dec. 21, 1875	661	218	8	1053
165, 275	Thompson, Lyman W., Cherry Valley, N. Y. Safety-pinion for watches.....	July 6, 1875	119	36	8	25
164, 611	Thompson, Orrin B., White Ash, assignor to Dexter Spring Company, Hulton, Pa. Filth-wheel.....	June 15, 1875	727	237	7	1048
	Thompson, Perley & Waite. (See Tenney & Hobbs, assignor.)					
171, 067	Thompson, Robert, Stapleton, N. Y. Fire-place.....	Dec. 14, 1875	390	129	8	1009
159, 828	Thompson, Rosewell, Bridgeport, Conn. Button-hole-guide clamp.....	Feb. 2, 1875	41	15	7	190
159, 893	Thompson, Rosewell, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Machine for making cutters for grooving needles.....	Feb. 16, 1875	601	199	7	250
167, 630	Same..... Blank-feeding attachment for swaging-machines.....	Sept. 14, 1875	235	73	8	446
167, 806	Thompson, Samuel, Hart's Falls, N. Y. Stone-sawing machine.....	Sept. 14, 1875	395	137	8	469
164, 341	Thompson, Selina, Peconica, Ill. Portable stove.....	June 8, 1875	474	157	7	1605
	Thompson, W. D. (See Thomas, Amos D., assignor.)					
167, 365	Thompson, William H., London, England. Machine for dressing stone.....	Aug. 31, 1875	1155	363	8	395
160, 128	Thompson, William J., Springfield, Mo., assignor of one-half interest to Springfield Iron Works. Water-wheel.....	Feb. 23, 1875	857	284	7	322
165, 632	Thompson, William M., Carlisle, Pa. Cart-chute.....	July 13, 1875	490	149	8	84
169, 060	Same..... Dumping-wagon.....	Oct. 19, 1875	711	235	8	600
161, 298	Thomson, Alexander, Worcester, Mass. Dip-pipe of gas works.....	Mar. 23, 1875	984	322	7	508
	Thomson, David W. (See Perry, Walter R., assignor.)					
169, 865	Thomson, John, Aledo, Ill. Check-roller.....	Nov. 9, 1875	548	171	8	813
6, 821	Thomson, John, and John Ramsey, Aledo, assignors, by mesne assignments, to George D. James W., Lysander L., and Mablem Haworth, Decatur, Ill. Corn-planter. (Reissue.)	Dec. 21, 1875	796	262	8	1071
168, 855	Thomson, John N., Providence, R. I. Bracelet.....	Oct. 19, 1875	521	171	8	654
169, 926	Same..... same.....	Nov. 16, 1875	617	191	8	800

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161, 075	Thomson, Judson L., assignor of one-half interest to Francis N. Davis, Beloit, Wis. Paper barrel	Mar. 23, 1875	770	251	7	421
171, 250	Thomson, Polydore S., Jersey City, N. J. Mail-bag	Dec. 21, 1875	594	195	8	1014
166, 654	Thomson, Walter, Detroit, Mich. Hose nozzle	Aug. 10, 1875	445	138	8	270
166, 485	Thorman, Julius, Terre Haute, Ind. Sash-fastener	Aug. 10, 1875	303	91	8	249
171, 065	Same. Combined burglar-alarm and indicator	Dec. 14, 1875	288	128	8	1009
166, 486	Thorman, Samuel, et al. (See Berchtold, Fidel, assignor.) Thormann, John H., and Frederick Brunshagen, Baltimore, Md. Concrete pavement	Aug. 10, 1875	304	91	8	249
164, 342	Thorn, Theodore. (See Buechley & Horn.)					
164, 342	Thorn, William J., Westbrook, Me. Horse-collar	June 2, 1875	474	157	7	1005
169, 546	Thorn, William S., New York, N. Y. Passenger-register	May 18, 1875	788	249	7	873
163, 115	Thornton, Augustus W., Oakland, and Martin Vice, San Francisco, Cal. Folding oar-lock	May 11, 1875	369	120	7	803
168, 856	Thornton, James, et al. (See Magruder, Thomas J., assignor.) Thornton, James, Wellsville, assignor to Josiah Letchworth, Buffalo, N. Y. Trac-carrier	Oct. 19, 1875	522	171	8	654
168, 857	Thornton, James, Wellsville, assignor to Pratt & Letchworth, Buffalo, N. Y. Bridle-bit	Oct. 19, 1875	523	171	8	654
170, 207	Thornton, James, Wellsville, assignor of one-fourth interest to Pratt & Letchworth, Buffalo, N. Y. Halter-fastening	Nov. 23, 1875	692	278	8	874
170, 208	Same. Same	Nov. 23, 1875	693	279	8	874
170, 209	Same. Same	Nov. 23, 1875	693	279	8	874
162, 259	Thornton, Jesso, Cleveland, Ohio. Key-fastener	Apr. 20, 1875	620	202	7	671
169, 658	Thornton, John B., George H. McDouel, and Allen Hale, Fostoria, Ohio. Weed-turner	Oct. 19, 1875	709	234	8	600
168, 065	Thornton, John J., assignor of one-half interest to Dan H. Ridgway, Cleveland, Ohio. Compound balance-staff for watches	Sept. 21, 1875	649	206	8	514
	Thornton, T. Franklin. (See Stockford, Benjamin F., assignor.) Thornton, William M., Saint Louis, Mo. Machine for creasing and finishing leather straps	Jan. 7, 1875			7	180
166, 040	Same. Spark-arrester for locomotives	July 27, 1875	201	278	8	169
167, 136	Thorp,croft, John I., Chiswick, Great Britain. Screw-propeller	Aug. 24, 1875	932	290	8	356
116, 855	Thorp, Alfred H., New York, N. Y. Heating and ventilating device	Aug. 17, 1875	619	192	8	304
167, 769	Thorp Thomas J., Navarre, Ohio. Calendar	July 20, 1875	624	192	8	119
167, 951	Thorsen, Lewis E., assignor of one-half interest to Stiles S. Northrup, Clinton, Wis. Automatic gate	Sept. 21, 1875	531	170	8	498
163, 544	Thoss, Julius, and Adolph Trautmann, Baltimore, Md. Passenger-register	May 18, 1875	786	249	7	873
170, 918	Thrall, William H., et al. (See Smith, Herman S., assignor.) Thrash, Isaac T., assignor of two-thirds interest to John M. Williams and Daniel S. Muse, Griffin, Ga. Medical composition	Dec. 7, 1875	232		8	982
164, 234	Throckmton, Miles A., Andersonville, Ohio. Corn-marker	June 8, 1875	372	126	7	912
6, 629	Throop, Gardner E., Syracuse, N. Y. Grain-cleaning machine	Sept. 7, 1875	197	62	8	433
160, 243	Same. Brush for grain-cleaners	Feb. 23, 1875	957	314	7	317
167, 204	Thurber, Albert E., assignor to Cyrus F. Andrews, Providence, R. I. Direction-card	Aug. 31, 1875	1016	316	8	375
170, 429	Thurber, John G., jr., assignor to Joseph P. Manton, Providence, R. I. Game-board	Nov. 23, 1875	1090	343	8	902
	Thursby, Samuel I. (See Moore, Daniel, assignor.) Thurston, Earl A. (See Shannon, John A., assignor.) Thurston, Charles H., Marlborough, N. H. Wardrobe and other hooks	Oct. 11, 1875	355	116	8	623
169, 128	Thurston, George A., Cambridge, Mass. Plastering safety-plates	Oct. 26, 1875	799	259	8	700
166, 949	Thurston, Harrison F., Porter, Me. Wash-boiler	Aug. 24, 1875	752	233	8	331
158, 756	Tibbals S. Lee, Osakis, Minn. Saw-gunner	Jan. 12, 1875	369	126	7	76
169, 599	Tiebals, Louis P., New York, N. Y. Umbrella-top for carriages	Nov. 2, 1875	200	84	8	769
168, 683	Tieckner, Arvin C., Syracuse, N. Y. Device for preventing horses from cribbing	Oct. 11, 1875	356	116	8	623
167, 137	Tiebout, John, Brooklyn, N. Y. Exercising-machine	Aug. 24, 1875	933	291	8	356
164, 343	Tiffany, George E., assignor of one-half interest to William H. Richardson, Indianapolis, Ind. Tailor's device for laying out garments	June 8, 1875	475	158	7	1006
159, 718	Tiffany, Joel, Chicago, Ill. Refrigerator-floor	Feb. 9, 1875	449	150	7	255
163, 547	Tiffany, Joseph C., Portsmouth, N. H. Promoting combustion in furnaces	May 18, 1875	788	270	7	873
163, 548	Same. System of gearing for gasometers	May 18, 1875	789	250	7	873
164, 058	Same. Gas-retort	June 1, 1875	192	60	7	957
170, 414	Tiffany, Joseph C., Coxsack, N. Y. Process for preventing or removing naphthaline deposit in gas-conduits	Nov. 23, 1875	1076		8	900
160, 970	Tilden, Howard, Philadelphia, Pa. Key-ring	Mar. 16, 1875	670	219	7	453
	Tillghast, John A. (See Sweet, John, assignor.) Tilney, William D., Crawfordsville, Ind. Tailor's measure	July 6, 1875	227	68	8	39
170, 415	Tip, Emil, Vienna, Austria. Car-platform	Nov. 23, 1875	1077	339	8	900
162, 507	Tilton, Francis W., New Bedford, Mass. Metallic loop for coats	Apr. 27, 1875	879	281	7	711
169, 244	Tilton, Joseph, New York, N. Y. Spring side bar for vehicles	Feb. 23, 1875	958	315	7	337
163, 599	Tilton, Joseph C., Pittsburgh, Pa. Butter-package	June 1, 1875	52	17	3	937
170, 787	Tilton, Nathaniel O., Savannah, Ga. Rice-mortar	Dec. 7, 1875	120	39	8	966
164, 045	Tilton, Smilie, Atlantic, Iowa. Instrument to prevent calves from sucking	June 22, 1875	788	258	7	1065
8, 860	Tim, Louis, Philadelphia, Pa. Collar and cuff box	Dec. 21, 1875			8	1034
168, 809	Timby, Theodore R., Tarrytown, N. Y. Attachment for cooking-stoves	Oct. 11, 1875	467	152	8	638
171, 447	Same. Spike	Dec. 21, 1875	707	233	8	1068
171, 448	Same. Same	Dec. 21, 1875	768	253	8	1068
153, 832	Timmer, August F. W., Coblenz, Germany. Breech-loading fire-arm	July 20, 1875	749	229	8	136
103, 834	Timmerman, Gerhard H., Saint Louis, Mo. Magazine heating-stove	May 25, 1875	1048	329	7	914
108, 297	Tingley, Albert H., Providence, R. I. Heat-regulator for hot-air furnaces	Sept. 28, 1875	872	279	8	553
76, 487	Tinker, Henry H. (See Jones, Andrew J., assignor.) Tinkham, William, Providence, R. I. Furnace-grate	Aug. 10, 1875	304	91	8	240
158, 608	Tinnerholm, Charles J., Keokuk, Iowa, assignor to Niels Petersen, New York, N. Y., and Peter A. Brodin, Erie Hedman, and John Oquist, Keokuk, Iowa. Manufacture of leather	Jan. 12, 1875	242		7	58
163, 117	Tinsley, George W., Minneapolis, Minn. Hydrocarbon-gas apparatus	May 11, 1875	370	120	7	803
163, 118	Same. Gas-burner	May 11, 1875	371	121	7	803
	Tisdal, James V., et al. (See Ludwig, John C., assignor.) Tisdale, Charles D., Boston, Mass. Railway-switch	Feb. 23, 1875	784	258	7	311
159, 040	Tisdale, William S., New York, N. Y., assignor of one-half interest to William Hellies, Jersey City, N. J. Kindling material	Jan. 19, 1875	627		7	125
166, 431	Tittman, Alexander Chauncey, assignor to self and Henry S. Daggett, La Fayette, Ind. Electro-magnetic engine	Aug. 3, 1875	234	72	8	232
168, 114	Titus, John C., Marion, Ohio, assignor to William Haven, Clymer, N. Y. Rotary engine	Sept. 28, 1875	707	224	8	529
159, 979	Titus, Josiah B., assignor to self and John McLean, New York, N. Y. Saw-set	Feb. 16, 1875	709	235	7	294
162, 124	Tobey, Charles W., Canastota, N. Y. Rafting crib	Apr. 13, 1875	450	158	7	645
169, 662	Tobey, Frank O., Boston, Mass. Sole-fastening	Oct. 19, 1875	713	235	8	681
167, 281	Tobey, Lyman, Naples, N. Y. Attachment for lamps	Aug. 31, 1875	1079	337	8	381



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169, 600	Tobey, William M., New London, Conn. Ironing-board	Nov. 2, 1875	260	84	8	769
169, 313	Tobin, Joseph F. (See Morse, George F., assignor.)					
169, 313	Todd, George M., Waterloo, Iowa. Plow attachment	Oct. 26, 1875	967	313	8	723
168, 684	Todd, George W., Allegheny, assignor of one-half interest to W. W. Spicer, Pittsburgh, Pa. Grate-bar	Oct. 11, 1875	356	116	8	623
163, 034	Todd, Lyman L., Chicago, Ill. Rumbler for cleaning castings	May 11, 1875	298	96	7	793
165, 384	Same. Seal-lock	July 6, 1875	228	69	8	39
6, 673	Todd, Westley, Ottokoe, Ohio, assignor, by mesne assignments, to P. Duff, E. A. Kitzmiller, and R. P. Duff, Allegheny County, Pa. Wash-board. (Reissue.)	Oct. 5, 1875	216	70	8	595
170, 314	Toedt, Frederick, New York, N. Y. Hinge	Nov. 23, 1875	986	309	8	887
161, 179	Toepfer, Weuzel, Milwaukee, Wis. Grain-separator	Mar. 23, 1875	868	284	7	493
163, 421	Same. Beer-cooler	May 18, 1875	666	213	7	858
167, 712	Toepperwein, Emil A. F., Boerne, Tex. Magazine fire-arm	Sept. 14, 1875	394	97	8	456
171, 193	Toll, Charles F., Boston, Mass. Sewing-machine	Dec. 14, 1875	511	168	8	1026
161, 455	Tolley, Frederick W., Coxsackie, N. Y. Cultivator	Mar. 30, 1875	1149	371	7	537
159, 2-9	Toulinson, James, Goderich, Canada, assignor to self and Harriet M. Gage. Machine for coiling hoops	Feb. 2, 1875	43	15, 16	7	190
159, 719	Toulinson, Joseph, Mount Vernon, N. Y. Chimney-cowl	Feb. 9, 1875	456	150	7	255
159, 416	Toulinson, Nathan, Cisne, Ill. Manure-distributor	Feb. 2, 1875	223	73	7	215
159, 477	Toulinson, Ralph, Boston, and Joseph Smith, Somerville, Mass. Automatic damper-regulator	Feb. 2, 1875	224	73	7	215
159, 124	Toulinson, Ralph, and Joseph Smith, Boston, Mass. Pawl and ratchet	Jan. 26, 1875	700	250	7	150
159, 720	Toumasi, Lorenzo, New Rochelle, N. Y. Baby-walker	Feb. 9, 1875	451	151	7	255
164, 666	Tompkins, Albert. (See Tompkins, Ira and Albert.)					
164, 666	Tompkins, Charles R., Rochester, N. Y. Planing-machine	June 23, 1875	789	259	7	1065
163, 119	Tompkins, Hamilton B., et al. (See Gillespie, Richard S., assignor.)					
163, 119	Tompkins, Ira and Albert, Troy, N. Y. Take-up for knitting-machines	May 11, 1875	371	121	7	603
160, 853	Tompkins, Samuel E., Sing Sing, N. Y. Bird-food holder	Mar. 16, 1875	567	184	7	444
159, 231	Tongue, Henry, Chicago, Ill. Fine-cover	Jan. 26, 1875	858	2-0	7	164
162, 716	Tongue, William T., Liverpool, England. Insect-destroyer	Apr. 27, 1875	1070	341	7	734
164, 406	Tooker, Robert N., Chicago, Ill. Fire-alarm signal-box	June 15, 1875	552	189	7	1024
169, 266	Toole, John. (See Albaugh & Toole.)					
170, 604	Toole, Julius L., Williston, S. C. Portable cotton-ginning, &c., machine	Oct. 26, 1875	859	2-0	8	710
158, 757	Toomey, Jeremiah, Woonsocket, R. I. Hose-nozzle	Nov. 30, 1875	1212	401	8	934
159, 864	Toomey, Charles, New York, N. Y. Furnace-grate bar	Jan. 12, 1875	370	126	7	76
166, 950	Topliff, Cyrus L., Brooklyn, N. Y. Barrel-roller	Feb. 16, 1875	604	200	7	250
161, 995	Topliff, John A., assignor of one-half interest to George H. Ely, Elyria, Ohio. Carriage-bow	Aug. 24, 1875	733	233	8	331
163, 342	Toppa, Daniel L., Somerville, assignor to self, David C. and Hopkins H. Meloon, East Cambridge, and Gardner B. Chapin, Medford, Mass. Planing-machine	Apr. 13, 1875	363	122	7	631
166, 826	Same. Drill for drilling metal	May 18, 1875	664	192	7	849
166, 160	Topping, George. (See Blood & Topping.)					
166, 160	Topping, George, Chicago, Ill. Clothes-pin	July 27, 1875	1021	314	8	186
166, 826	Torbert, William H., et al. (See Stearns, Charles A., assignor.)					
169, 063	Torley, John J., et al. (See Kinzer, Jacob, assignor.)					
166, 826	Same. (See McConway, William, assignor.)					
169, 063	Torley, William E., Milwaukee, Wis. Grain-separator	Aug. 17, 1875	620	192	8	304
170, 131	Torlotin, Eugene, Paris, France. Composition for stiffening and dressing straw hats	Oct. 19, 1875	713		8	6-1
160, 971	Torr, Charles C., et al. (See Baxter, De Witt C., assignor)					
167, 589	Torr, Hiram, Philadelphia, Pa., and Darius Lyman, Washington, D. C. Sash-holder	Nov. 16, 1875	797	252	8	854
169, 064	Torsch, Charles H. and Henry F., jr., Baltimore, Md. Advertising medium	Mar. 16, 1875	670	219	7	458
169, 065	Torsch, Henry F., jr. (See Torsch, Charles H. and Henry F., jr.)					
169, 665	Tostevin, Alfred, New York, N. Y. Sewing-cabinet	Sept. 7, 1875	187	58	8	433
169, 665	Tostevin, Thomas, Council Bluffs, Iowa. Chair-bottom	Oct. 19, 1875	714	236	8	661
160, 364	Same. Chair	Oct. 19, 1875	715	236	8	661
164, 612	Toucey, John M., and William H. Smith, New York, and William Buchanan, Yonkers, N. Y. Switch-locking device	Mar. 2, 1875	94	35	7	362
161, 077	Same. Switch-signaling apparatus	June 15, 1875	728	238	7	1048
165, 385	Tougas, John B., assignor of one-half interest to Albion P. Richardson, Worcester, Mass. Self-closing water-cock	Mar. 23, 1875	773	254	7	481
168, 940	Toulmin, Morton, Washington, D. C. Ellipsograph	July 6, 1875	230	69	8	40
165, 186	Same. Car-starter	Oct. 19, 1875	599	198	8	666
165, 187	Tower, George E., Annapolis, Md., assignor of one-eighth interest to Eli P. Wetherwax, West Sandlake, N. Y. Valve-gear	July 6, 1875	43	13	8	15
6, 766	Tower, George E., Annapolis, Md., assignor of one-eighth interest to Robert W. Bell, Schodaek Landing, N. Y. Valve for steam-engines	July 6, 1875	45	13	8	15
6, 767	Tower, Levi L., Boston, Mass., assignor to Orestes Cleveland, Jersey City, N. J. Eraser-holder and pencil-point protector	Nov. 23, 1875	1104	346	8	904
8, 385	Same. Same	Nov. 23, 1875	1105	347	8	904
168, 194	Tower, Levi L., Boston, Mass. Fountain-inkstand	June 8, 1875			7	968
163, 549	Towers, Michael, jr. (See Brownback, March, Rogers & Towers)					
161, 209	Towle, Hamilton E. (See Benton, John B., assignor.)					
162, 717	Towle, Hamilton E., New York, N. Y. Bell-punch	Sept. 28, 1875	783	249	8	540
168, 194	Towle, Hamilton E., and John B. Benton, New York, N. Y. Passenger-register	Apr. 27, 1875	1071	341	7	734
163, 549	Towle, James W. (See Ratliff & Towle.)					
161, 209	Towle, Porter B., Haverhill, Mass. Buck-saw frame	Sept. 28, 1875	783	249	8	540
160, 486	Towne, Alban N., San Francisco, Cal. Train-telegraph	May 18, 1875	790	750	7	873
160, 486	Towne, Franklin E., Boston, Mass. Gang-saw mill	Mar. 23, 1875	9-5	322	7	508
171, 195	Towns, William F., Ravenna, Ohio. Earthen bucket	Mar. 2, 1875	298	71	7	378
8, 366	Townsend, Henry E. (See Lambert, Richard C., assignor.)					
170, 315	Townsend, Henry L., Bath, N. Y. Grain tally	Dec. 14, 1875	513	169	8	1026
171, 449	Townsend, Isaac, Philadelphia, Pa. Medal	June 1, 1875			7	926
171, 449	Townsend, Jacob, and John N. Parr, Eagletown, Ind. Corn-harvester	Nov. 23, 1875	986	309	8	887
171, 194	Townsend, John F. (See Viall, Townsend & Hill.)					
166, 322	Townsend, Mark, Port Norris, N. J. Steering apparatus	Dec. 21, 1875	768	253	8	1068
165, 188	Townsend, Owen W., Fond du Lac, Wis. Core-auger	Dec. 14, 1875	513	169	8	1026
167, 631	Towsley, William H., Goodland, Ind. Trace-carrier	Aug. 3, 1875	125	39	8	217
165, 188	Towsley, Lovias D. (See Van Kamel & Towsley.)					
170, 498	Towsley, Lovias D., Cincinnati, Ohio. Automatic mixing-valve for gas-machines	July 6, 1875	47	14	8	15
165, 388	Toye, Napoleon, Covington, Ky. Hot-air furnace	Sept. 14, 1875	237	73, 74	8	446
165, 388	Tozer, Edmund C., Newcastle, Canada. Freezing apparatus	Nov. 30, 1875	1171	369, 370	8	921
165, 388	Tracy, Christopher C., assignor to Shaw and Rogers Lead Company, New York, N. Y. Device for the manufacture of cames	July 6, 1875	231	60, 70	8	40

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170, 416	Tracy, Harriet R., New York, N. Y. Sewing-machine table.....	Nov. 23, 1875	1078	340	8	900
	Tracy, George S. (See Galt & Tracy)					
171, 197	Tracy, John D., and James F. Platt, Sterling, Ill. Hook for barrows.....	Dec. 14, 1875	522	172	8	1027
165, 387	Tracy, Lewis W., assignor to Shaw and Rogers Lead Company, New York, N. Y. Device for the manufacture of printers' leads.....	July 6, 1875	232	70	8	40
	Tracy, Samuel. (See McMahon & Tracy.)					
163, 615	Tracy, William C., Brooklyn, N. Y. Dental flask.....	May 25, 1875	865	272	7	891
159, 4, 8	Trafton, John W., Springfield, Mass. Self-closing faucet.....	Feb. 2, 1875	235	73	7	45
171, 198	Trageser, John, New York, N. Y. Making sheet-metal ware.....	Dec. 14, 1875	523	172	8	1027
162, 125	Trammell, Erasmus R., Clough's Store, Ala. Cotton-gin rib.....	Apr. 13, 1875	4-1	158	7	645
162, 434	Trapp, Edward A., Davenport, Iowa. Railway-switch.....	Apr. 20, 1875	7-7	256	7	691
164, 442	Trarb, Adolph, New York, N. Y. Life-preserver.....	May 18, 1875	667	213	7	858
159, 865	Traut, Justus A., New Britain, Conn. Block-plane.....	Feb. 16, 1875	605	100	7	280
168, 431	Traut, Justus A., and Henry Richards, New Britain, Conn. Bench-plane.....	Oct. 5, 1875	98	34	8	579
	Trautmann, Adolph. (See Thoss & Trautmann.)					
8, 280	Trautmann, Ralph, New York, N. Y. Picture-mount..... (Design).....	Apr. 20, 1875	.....	.....	7	651
8, 663	Traver, Zachariah R., Detroit, Mich. Spice-can..... (Design).....	Feb. 16, 1875	.....	.....	7	261
160, 732	Travis, Charles L., Great Valley, N. Y., assignor to Grain-Binder Company, Tremont, Ohio. Grain-binder.....	Mar. 9, 1875	437	145	7	420
	Same..... Grain-binder.....	Mar. 16, 1875	611	219	7	458
160, 972	Travis, Charles L., assignor to Star Manufacturing Company, Minneapolis, Minn. Machine for perforating tubes for tube-mills.....	Apr. 20, 1875	788	256	7	601
	Travis, George W. (See Carter, Charles W., assignor)					
168, 298	Travis, Joseph H., Boston, Mass. Foot-rest for chairs.....	Sept. 28, 1875	873	270	8	553
169, 314	Same..... Rocking-chair.....	Oct. 26, 1875	968	313	8	723
	Travis, William T. (See Follard & Travis.)					
	Trax, David L. (See Malcolmson, Thomas, assignor.)					
169, 386	Trayser, George, Richmond, Ind. Upright piano.....	Nov. 2, 1875	63	18	8	743
153, 544	Treadway, James W., Crown Point Centre, N. Y. Car-coupling.....	Jan. 5, 1875	166	57	7	32
165, 541	Treadway, William M., Port Henry, N. Y. Gun-sight.....	Oct. 19, 1875	600	199	8	666
158, 653	Treadwell, William B., Albany, N. Y. Magazine cooking-stove.....	Jan. 12, 1875	285	93	7	64
	Same..... Cooking stove and range.....	Mar. 23, 1875	869	{ 284 } { 285 }	7	494
169, 601	Same..... Heating-stove.....	Nov. 2, 1875	261	84	8	769
	Treat, Charles R. (See Yates & Treat.)					
	Treat, Leveritt B. (See Latham, Charles W., assignor.)					
160, 290	Trenaman, Richard. (See Elam, Jabez, assignor.)					
108, 432	Trenchard, Stephen D., New York, N. Y. Tele-copic tower for light-ships.....	Mar. 2, 1875	30	12	7	351
	Trenchard, Stephen D., assignor to self and Walton Brothers, New York, N. Y. Ship's log.....	Oct. 5, 1875	98	34	8	579
169, 312	Trenkmann, August, Brooklyn, N. Y. Tortoise-shell handle for fire-arms.....	Oct. 26, 1875	966	313	8	723
159, 232	Trethewey, Samuel, assignor to Metcalf, Paul & Co., Pittsburgh, Pa. Machine for forming spiral washers.....	Jan. 26, 1875	859	280	7	164
	Trevor, Francis N. (See Trevor, William W., assignor.)					
166, 041	Trevor, William W., assignor to self and Francis N. Trevor, Lookport, N. Y. Machine for making barrel-heads.....	July 27, 1875	902	{ 278 } { 279 }	8	169
159, 980	Trible, Herndon, and Nicholas A. Davis, Rusk, Tex. Propelling device for street-cars and the like.....	Feb. 16, 1875	710	235	7	294
170, 081	Trimble, Charles B., New York, N. Y. Lathing-machine.....	Nov. 16, 1875	700	{ 220 } { 221 }	8	841
166, 432	Trinks, Gregor, New York, N. Y. Machine for making ornamental chains.....	Aug. 3, 1875	235	72	8	232
	Tripp, George S., et al. (See Guzman, William A., assignor.)					
170, 417	Tripp, John W., Bellaire, Ohio. Window-sash-bead fastener.....	Nov. 23, 1875	1079	340	8	900
	Tripp, Nathan M. (See Nickerson & Tripp.)					
	Tripp, P. R. (See Wescott, Edwio J., assignor)					
164, 235	Tripp, Seth D., Lynn, Mass. Machinery for beating out the soles of boots and shoes.....	June 8, 1875	373	127	7	992
169, 930	Same..... Welt-cutting and counter-skiving machine.....	Nov. 16, 1875	618	192	8	830
167, 955	Trissler, Henry W. (See Trissler, William H. and Henry W.)					
	Trissler, William H. and Henry W., Cleveland, Ohio. Eave-trough hanger.....	Sept. 21, 1875	531	170	8	498
	Triumph Safety Powder Company. (See Courteille, Herrenstein, assignor.)					
167, 138	Troegler, Heinrich A. (See Henckler & Troegler.)					
	Troll, Joseph, Belleville, Ill. Tellurian.....	Aug. 21, 1875	931	291	8	357
	Trott, Hermann, et al. (See Qvist, Peter M., assignor.)					
	Trott, Lemuel G. (See Decker, William, assignor.)					
8, 255	Trotter, Andrew R., Providence, R. I. Ornamentation of rubber boots and shoes. (Case A. Design).....	Mar. 30, 1875	.....	.....	7	516
8, 256	Same..... same..... (Case B. Design).....	Mar. 30, 1875	.....	.....	7	516
	Trotter, Charles W., administrator. (See Trotter, Jonathan G.)					
163, 704	Trotter, Jonathan G., deceased, by Charles W. Trotter, administrator, Brooklyn, N. Y. Process of making white oxide of zinc.....	May 25, 1875	935	297	7	900
166, 655	Trontman, Columbus C., Nelson Furnace, Ky. Medical composition.....	Aug. 10, 1875	446	.....	8	270
163, 520	Trowbridge, Charles E., Whitinsville, Mass. Holder for spinning-rings.....	May 18, 1875	792	250	7	873
166, 161	Trowbridge, John H., Brooklyn, assignor to George H. Wooster, New York, N. Y. Sewing-machine guide.....	July 27, 1875	1022	314	8	156
158, 544	Troy, Abiezer M., Judd, Wis. Thill-coupling.....	Jan. 5, 1875	167	57	7	32
	Truax, Job. (See Black & Truax.)					
8, 417	Truax, Job, Mount Union, Pa. Bottle..... (Design).....	June 22, 1875	.....	.....	7	1057
166, 323	Truax, William, Hamilton, Mich. King-bolt for wagons.....	Aug. 3, 1875	126	39	8	217
167, 415	Trudeau, Toussaint, Ottawa, Canada. Globe for gas-lights.....	Sept. 7, 1875	35	10	8	411
167, 713	Same..... Gas-burner.....	Sept. 14, 1875	305	97	8	456
162, 126	True, Lorenzo W., Talladega, Ala. Sulky-plow.....	Apr. 13, 1875	481	{ 158 } { 159 }	7	645
	True, Virgil. (See Gillespie & True.)					
164, 613	Truesdale, Charles, assignor to William Resor & Co., Cincinnati, Ohio. Stove-reservoir.....	June 15, 1875	729	238	7	1043
171, 450	Trulender, Frederick, Harpersville, N. J. Horse-power.....	Dec. 21, 1875	769	253	8	1063
164, 344	Trullinger, John C., Portland, Oreg. Wagon-brake.....	June 8, 1875	476	158	7	1006
	Truly, Jacob. (See Judson, Andrew J., assignor.)					
166, 656	Trumbo, John M., Metropolis City, Ill. Evaporating-pan.....	Aug. 10, 1875	446	138	8	270
261, 456	Trumbull, David, jr., Conterville, Cal. Ore-crusher.....	Mar. 30, 1875	1150	371	7	537
162, 588	Trump, Charles N., and Samuel N., Wilmington, Del. Scroll-sawing machine.....	Apr. 27, 1875	945	304	7	719
158, 417	Trump, Fuller, assignor to James Leffel & Co., Springfield, Ohio. Steam-pump.....	Jan. 5, 1875	82	28	7	21
	Trump, Samuel N. (See Trump, Charles N. and Samuel N.)					
160, 973	Trumpler, Charles J., Indianapolis, Ind. Awning.....	Mar. 16, 1875	672	219	7	458
	Trussell, John W. (See Kellogg & Trussell.)					
166, 162	Truwerthy, Francis M., San Francisco, Cal. Marking-wheel.....	July 27, 1875	1023	315	8	186

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163, 281	Tryon, Philo N. (See Price, John J., assignor.)	May 11, 1875	525	170	7	833
161, 300	Tscheulin, George J., Baltimore, Md. Device for transmitting power.	Mar. 23, 1875	988	322	7	568
168, 115	Tubbs, Joel B., Waterloo, N. Y. Barrel for shot-guns.					
	Tubbs, Laurence G. (See Brown & Tubbs.)					
	Tuchfarber, Frank, Cincinnati, Ohio. Ornamenting and marking wheel	Sept. 28, 1875	707	224	8	529
170, 920	Tuck, George H. (See Goodrich, Barnard, assignor.)					
169, 743	Tuck, Nelson L., Chicopee, Mass. Fruit-basket	Dec. 7, 1875	233	80	8	982
6, 338	Tucker, Argyle W., assignor to self and L. J. Stroep, Waxahachie, Tex. Machine for binding grain	Nov. 9, 1875	423	{ 134 135 }	8	798
160, 627	Tucker, Erwin W., Indianapolis, Ind., assignor, by mesne assignments, to Charles H. Dunks, New York, N. Y. Bed-bottom	Mar. 16, 1875	692	227	7	462
170, 919	Tucker, George W., assignor to American Ring Company, Waterbury, Conn. Handle for umbrellas, parasols, &c.	Mar. 9, 1875	343	116	7	407
170, 132	Tucker, Horace N., assignor of one-half interest to Francis Packard, 2d, Stoughton, Mass. Child's sled	Dec. 7, 1875	232	79	8	982
168, 685	Tucker, Joseph C., New York, N. Y. Artificial stone	Nov. 16, 1875	798		8	854
165, 626	Tucker, Stephen D., New York, N. Y. Feed-gage for printing-presses	Oct. 11, 1875	357	117	8	623
	Same	Oct. 11, 1875	358	117	8	623
171, 196	Same..... Rotary paper-folding machine	Dec. 14, 1875	514	{ 169 170 171 }	8	1026
162, 974	Tucker, Theophilus, Oakland, Cal. Shoe-fastening	May 4, 1875	224	72	7	776
	Tucker, Thomas, et al. (See Smith, Almon J., assignor.)					
160, 365	Tucker, William. (See Andrews & Tucker) (Reissue.)					
160, 326	Tucker, William, Fiskeedale, Mass. Bit-stock	Mar. 2, 1875	94	35	7	362
163, 232	Same..... Machine for turning pattern-cams	Mar. 2, 1875	95	35	7	362
170, 605	Same..... Anger and anger-bit	May 11, 1875	525	170	7	823
161, 181	Same..... Engine-lathe	Nov. 30, 1875	1273	401	8	935
170, 210	Tuckerman, Albert W., Boston, Mass. Box-scraper	Mar. 23, 1875	570	225	7	493
	Tuckerman, Samuel C., Cambridge, Mass. Shutter-fastener	Nov. 23, 1875	894	279	8	874
159, 721	Tufts, James W. (See Shepherd, Frank H., assignor) (Design.)					
	Same..... (See Shepherd & Schwab, assignors) (Design.)					
158, 761	Tufts, Lewis C. (See Smith, Minard M., assignor)					
6, 534	Tufts, Nathaniel, Boston, Mass. Gas-light governor	Feb. 9, 1875	451	151	7	255
160, 628	Tully, John. (See Upham, Garrett & Tully.)					
159, 981	Tull, s. Jolm K., Glasgow, North Britain. Leather-dressing machine	Jan. 12, 1875	373	127	7	76
164, 981	Tulloch, James, Jamestown, Cal. Ore-stamp feeder (Reissue.)	July 20, 1875	774	237	8	140
163, 232	Tulloch, James, Sonora, Cal. Ore-feeder	Mar. 9, 1875	343	116	7	407
159, 981	Tully, Thomas, Springfield, Ill., assignor of one-half interest to W. H. Doan, Cleveland, Ohio. Faucet	Feb. 16, 1875	710	236	7	294
159, 316	Tulton, David S., Paris, Pa. Harvester-reel	Feb. 2, 1875	74	25	7	194
6, 689	Tupper, Horace, Bay City, Mich., assignor, by mesne assignments, to John B. Slawson, New York, N. Y. Pare-box (Reissue.)	Oct. 11, 1875	481	{ 156 157 }	8	640
165, 133	Tupper, Martin L. (See Perry, Henry K., assignor.)					
166, 569	Turley, Marshall, Council Bluffs, Iowa. Truss	June 29, 1875	1227	395	7	1150
168, 810	Turnbull, Andrew, assignor to Landers, Freary & Clark, New Britain, Conn. Letter-scales	Aug. 10, 1875	371	114	8	260
164, 986	Turnbull, Andrew, and Francis N. Frost, New Britain, assignors to Franklin Roys, East Berlin, Conn. Lawn-mower	Oct. 11, 1875	469	153	8	638
170, 606	Turraeure, Robert, Belvidere, Ill. Boot-tree	June 15, 1875	631	204	7	1034
168, 592	Turner, Archibald, Leicester, England. Elastic fabric	Nov. 30, 1875	1275	{ 401 402 }	8	935
168, 758	Turner, Benjamin, London, England. Hinge	Oct. 11, 1875	276	50	8	610
168, 433	Turner, Benjamin G., Fremont, Nebr. Wheel for harvesters, &c.	Jan. 12, 1875	370	126	7	76
158, 545	Turner, Caleb R., Brooklyn, N. Y. Smoked-beef shaver	Oct. 5, 1875	99	34	8	579
164, 723	Turner, Edward S., Hester, Mo. Hand corn-plauter	Jan. 5, 1875	168	57	7	32
164, 614	Turner, George, assignor of one half interest to Le Grand Whitcomb, Kalamazoo, Mich. Device for converting motion	June 22, 1875	895	291	7	1079
162, 207	Turner, Isaac P., Troy, N. Y. Bank-check, &c.	June 15, 1875	730	238	7	1049
171, 491	Turner, James, Montreal, Canada. Feed-gage for printing-presses	Apr. 20, 1875	571	127	7	664
162, 508	Turner, James, Chicago, Ill. Refrigerator-car	Dec. 28, 1875	826	271	8	1064
158, 760	Turner, James W., Boston, Mass. Paper box	Apr. 27, 1875	879	281	7	711
161, 301	Turner, John, Grosse Isle, Mich. Railway-car truck	Jan. 12, 1875	372	127	7	76
161, 996	Same..... Spring-case for draw-bars	Mar. 23, 1875	928	323	7	508
162, 975	Turner, John, Louisa, R. I. Let-off mechanism for looms	Apr. 13, 1875	364	122	7	631
168, 356	Turner, John C., Newark, N. J. Extension-table slide	May 4, 1875	255	72	7	776
158, 759	Turner, Lewis W., Wallingford, assignor of one-half interest to G. J. Capewell, Cheshire, Conu. Pot-lid	Oct. 5, 1875	33	13	8	569
168, 196	Turner, Reuben D., New York, N. Y. Hydrocarbon furnace and atomizing apparatus	Jan. 12, 1875	371	127	7	76
167, 807	Turner, William, Millerstown, Pa. Hoisting apparatus	Sept. 28, 1875	785	249	8	540
164, 949	Turney, George L., London, England. Paper-box machine	Sept. 14, 1875	397	127	8	470
166, 732	Turpie, John, assignor to self and Edward H. Faulkner, New York, N. Y. Filling-hook for weaving hair-cloth	June 29, 1875	1072	345	7	1108
160, 854	Same..... Loom for weaving hair-cloth	Aug. 17, 1875	539	{ 165 166 }	8	292
167, 480	Tutewiler, John W., Indianapolis, Ind. Congress-gaiter	Mar. 16, 1875	568	185	7	444
167, 481	Tuttle, Edward A., New York, N. Y. Hot-air register	Sept. 7, 1875	87	27	8	418
159, 125	Same..... same	Sept. 7, 1875	87	27	8	419
159, 479	Tuttle, George A., and Henry B. Thompson, Lawrence, Mass. Car-coupling	Jan. 26, 1875	760	259	7	151
161, 097	Tuttle, Sterling D. (See Fetta & Tuttle.)					
161, 097	Tuttle, Sterling D., and Benjamin F. Larsh, Eaton, Ohio, assignors to Sterling D. Tuttle. Heater	Feb. 2, 1875	226	73	7	216
160, 245	Tuxworth, D. Howard, Baltimore, Md. Clamp for vehicle-wheels	Apr. 13, 1875	364	123	7	611
165, 135	Twanley, James, Saint Paul, Minn. Shirt	Feb. 23, 1875	958	315	7	337
165, 189	Tweedell, Ralph H., Sunderland, Great Britain, assignor to William Sellers, Philadelphia, Pa. Riveting-machine	June 29, 1875	1228	{ 395 396 397 }	7	1139
8, 281	Tweeddale, Herbert W. C., Pittsburgh, Pa. Manufacture of gas	July 6, 1875	49	14	8	15
8, 293	Tweeddale, William, Brooklyn, N. Y. Vase (Design.)	Apr. 20, 1875			7	651
8, 294	Same..... Street-lamp post (Case B. Design.)	Apr. 27, 1875			7	701
8, 295	Same..... same (Case C. Design.)	Apr. 27, 1875			7	701
8, 296	Same..... same (Case D. Design.)	Apr. 27, 1875			7	701
8, 297	Same..... same (Case E. Design.)	Apr. 27, 1875			7	701
8, 325	Same..... same (Case F. Design.)	Apr. 27, 1875			7	701
8, 326	Same..... Vase-pedestal (Design.)	May 11, 1875			7	783
8, 356	Same..... Lamp-post (Design.)	May 25, 1875			7	879

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8, 392	Tweeddale, William, Brooklyn, N. Y. Drinking-fountain ..... (Design)	June 15, 1875	.....	.....	7	1014
8, 660	Same ..... Stove ..... (Design)	Sept. 21, 1875	.....	.....	7	475
8, 713	Same ..... Fountain ..... (Design)	Oct. 11, 1875	.....	.....	8	400
165, 134	Tweeddale, William, Brooklyn, assignor to J. L. Mott Iron Works, New York, N. Y. Fire-place	June 29, 1875	1227	395	7	1130
167, 956	Twitchell, Henry, Pulaski, N. Y. Water-wheel	Sept. 21, 1875	532	170	8	498
159, 566	Twitchell, Henry, and George E. Parsons, Pulaski, N. Y. Snow-plow	Feb. 16, 1875	666	200	7	580
165, 388	Tyhurst, Robert, Dresden, Ohio. Eave-trough	July 6, 1875	232	70	8	40
170, 973	Tyler, Edward. (See Farmer & Tyler.) Tyler, Erastus H., Medway, Mass. Spring Tyler, Henry C. (See Wilder, McNeil & Tyler.) Same ..... (See Wilder, McNeil, Wilder & Tyler.)	Dec. 14, 1875	307	162	8	599
159, 480	Tyler, Hiram, assignor of one-half interest to Pele Teed, Geneseo, N. Y. Thill-coupling	Feb. 2, 1875	227	74	7	216
159, 982	Tyler, Hiram, assignor of two-thirds interest to Josiah Warren and N. H. Geerhart, Geneseo, N. Y. Explosive shell	Feb. 16, 1875	711	236	7	594
167, 366	Tyler, Hiram, Geneseo, N. Y. Pump	Aug. 31, 1875	1156	364	8	395
168, 942	Tyler, John J. (See Chichester, Lewis S., assignor.) Tyler, Royal, Ellsworth, Me. Device for turning eggs	Oct. 15, 1875	661	199	8	666
6, 6 9	Tyler, Samuel W., Troy, N. Y. Harvester. (Reissue.)	Aug. 24, 1875	950	297	8	350
159, 002	Tyler, Thomas W., assignor of one-half interest to Frank M. Lockwood, Corry, Pa. Car-heater	Jan. 19, 1875	628	208	7	125
163, 551	Tyrrrell, Peter G., New York, N. Y. Fire-proof roofing	May 18, 1875	792	251	7	573
160, 041	Tyson, Bryan, Washington, D. C. Ore-separator	Feb. 23, 1875	7-5	259	7	311
108, 116	Same ..... Gold washer and separator	Sept. 28, 1875	710	224	8	529
6, 483	Tyson, Charles, Philadelphia, Pa., assignor, by mesne assignments, to Charles D. Bigelow, Brooklyn, N. Y. Machine for screwing the uppers on to the soles of boots and shoes. (Reissue.)	June 8, 1875	500	{ 164 165 }	7	1009
164, 345	Tyson, Charles, Philadelphia, Pa., assignor to Charles D. Bigelow, New York, N. Y. Machine for screwing the uppers on to the soles of boots and shoes. Tyson, William W., et al. (See Hardman, John H., assignor.) Uderitz, Christoph J. (See Rummig & Uderitz.) Uhl, Charles F., et al. (See Shawk, George W., assignor) ..... (Reissue.)	June 8, 1875	477	{ 158 159 }	7	1006
163, 117	Uhr, John, Erie, Pa. Portable engine Uilting, Leonard. (See Schneider & Uilting.)	Sept. 28, 1875	711	224	8	529
167, 957	Ulrich, Friedrich H., New York, N. Y. Tailor's measure	Sept. 21, 1875	533	171	8	498
161, 811	Ulman, Isidor, Cairo, Ill. Corset	Apr. 6, 1875	223	75	7	601
169, 931	Ulman, William F., Boston, Mass. Piano-forte pedal	Nov. 16, 1875	619	192	8	830
169, 932	Same ..... Piano-forte-stringing device	Nov. 16, 1875	620	192	8	830
164, 112	Ulmar, John B., assignor to self and George R. Kelso, Boston, Mass. Sleeve-button, &c.	June 8, 1875	261	90	7	978
169, 744	Ulrich, Friedrich H., New York, N. Y. Apparatus for drafting tailors' patterns	Nov. 9, 1875	426	{ 135 136 }	8	798
6, 643	Ulrich, William, and Charles Haehnmeister, assignors to Andrew Albright, Newark, N. J. Harness-rossette ..... (Reissue.)	Sept. 14, 1875	410	131	8	472
159, 621	Umbeltz, Augustus, Tremont, Pa. Lamp-extinguisher	Feb. 9, 1875	358	119	7	242
165, 833	Umland, George D., Osceola Mills, Wis. Stove-pipe joint	July 20, 1875	751	230	8	136
160, 487	Umstead, William O., assignor of one-third interest to John F. Baldwin, Saint Clairs-ville, Ohio. Hand carriage	Mar. 2, 1875	208	71, 72	7	378
164, 616	Uncles, Benjamin, assignor of one-half interest to Charles Kelly, Baltimore, Md. Mail-bag catch	June 15, 1875	732	239	7	1049
167, 139	Underdown, Ameyens R., Philadelphia, Pa. Overcoat	Aug. 24, 1875	936	291	8	357
159, 290	Underhill, John K., Turlock, Cal. Sofa-bedstead	Feb. 2, 1875	44	16	7	190
167, 714	Underhill, Phineas S., Fort Wayne, Ind. Lamp-burner	Sept. 14, 1875	306	97	8	457
170, 607	Underhill, William M., Oconto, Wis. Lamp-pendant	Nov. 30, 1875	1276	402	8	935
168, 943	Underwood, Alexander and Eddy A., Newark, N. J. Binding for oil-cloth and matting	Oct. 19, 1875	691	199	8	666
170, 129	Underwood, Angeline, Carrollton, Ill. Land-pulverizer Underwood, Eddy A. (See Underwood, Alexander and Eddy A.)	Feb. 23, 1875	858	284	7	332
160, 555	Underwood, Erastus C., Boston, Mass. Weather-strip	Mar. 9, 1875	281	95	7	398
158, 610	Underwood, Henry M., Kenosha, Wis. Hand-truck	Jan. 12, 1875	243	82	7	58
169, 499	Underwood, John K., Sank Centre, Minn. Rotary gang-plow	Nov. 2, 1875	157	52	8	756
161, 578	Underwood, John M., Newark, N. J. Whip-socket	Mar. 30, 1875	1271	408	7	553
171, 069	Underwood, John R., Nelsonville, Ohio. Churn-dasher	Dec. 14, 1875	391	130	8	1099
160, 556	Underwood, Lester, Ottawa, Ill. Hay-leader Union Ice Company. (See Cook, Thomas, assignor.) Union Manufacturing Company. (See Bishop, George G., assignor.) Same ..... (See Johnson, Moses, assignor.) Same ..... same ..... (Reissue.) Union Paper Collar Company. (See Gray, Solomon S., assignor) ..... (Reissue.) Union Patent Seam Company. (See Brackett & Whitcomb, assignors) ..... (Reissue.) Union Steel Screw Company. (See Bidwell & Jaquith, assignors.) Union Water Meter Company. (See Ball & Fitts, assignors.) United Nickel Company. (See Adams, Isaac, jr., assignor) ..... (Reissue.) United States Power Press Company. (See Martin, Benjamin G., assignor.) United States Soapstone Manufacturing Company. (See Lanstrom, Reinhold, assignor.)	Mar. 9, 1875	281	96	7	398
168, 944	Unsworth, Peter, Algiers, La. Mode of curing moss	Oct. 19, 1875	602	.....	8	666
169, 315	Unsworth, Thomas, Preston, England. Doubling-machine	Oct. 26, 1875	969	{ 313 314 }	8	724
162, 778	Unverzagt, George P., Baltimore, Md. Machine for laminating the stems in leaf-tobacco	May 4, 1875	40	13	7	752
165, 011	Unverzagt, William, assignor to self and I. A. Chase, Memphis, Tenn. Lock for doors	June 29, 1875	1147	370	7	1119
168, 687	Upham, Henry H., John Garrett, and John Tully, New York, N. Y. Wire sign and banner	Oct. 11, 1875	359	118	8	623
160, 974	Upham, Nehemiah, Athol, Mass. Rotary pump	Mar. 16, 1875	673	2 0	7	458
170, 648	Same ..... Stop cock Upson, A. S. (See Hart, Hubert C., assignor.)	Nov. 30, 1875	1311	414	8	940
8, 064	Upton, Frank S., Rochester, N. Y. Bottle ..... (Design)	Feb. 16, 1875	.....	.....	7	261
171, 068	Urie, Thomas S., Carson City, Mich. Plow-point	Dec. 14, 1875	391	129	8	1009
163, 423	Usher, John H., Buffalo, N. Y. Railway-track scales	May 18, 1875	668	214	7	532
168, 357	Uster, John, Brooklyn, N. Y. Screw for heels and soles of boots and shoes	Oct. 5, 1875	33	13	8	599
164, 113	Ustick, Stephen, Philadelphia, Pa. Car-coupling	June 8, 1875	265	91	7	978
162, 197	Same ..... same	Sept. 28, 1875	7-6	{ 249 250 }	8	540
171, 492	Utendorf, Garat J., Ottawa, Ohio. Clover thrasher and huller	Dec. 28, 1875	827	{ 271 272 }	8	1084
166, 657	Vabe, Philibert, and Hippolyte Cuan, Paris, France. Apparatus for drawing or raising water, &c	Aug. 10, 1875	448	138	8	270
165, 389	Vahldieck, Andreas, Johnsonville, Wis. Straw-cutter	July 6, 1875	233	71	8	40

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
			Spec.	Dr'g.	Vol.	Page.
162, 569	Vail, George C., Madison, Ind. Railway-rail-joint fastening	Apr. 27, 1875	946	304	7	730
161, 363	Vail, Isaac G., Logan County, Ill. Corn-dropper	Mar. 30, 1875	1061	345	7	536
168, 811	Vail, Jacob L., Tom's River, N. J. Lifting-jack	Oct. 11, 1875	469	153	8	638
166, 733	Vail, Oliver E., New York, N. Y. Folding rocking-chair	Aug. 17, 1875	543	167	8	292
170, 932	Vail, Samuel S., Keokuk, Iowa. Reversible steam-boiler	Nov. 16, 1875	701	221	8	842
	Vaill, Edward W. (See Burn, Peter, assignor) (Reissue.)					
	Same (See Wakefield, John E., assignor.)					
	Same (See Ware, John A., assignor.)					
	Same (See Whitmore, Albert D., assignor) (Reissue.)					
161, 914	Valance, Isaac W., Lansingburgh, N. Y. Trunk-lastening	Apr. 13, 1875	297	100	7	622
168, 541	Valentine, William P., San Francisco, Cal. Shingle-machine	Oct. 5, 1875	205	67	8	323
158, 762	Valentioe, William T., Albany, N. Y. Weather-strip	Jan. 12, 1875	374	127	7	76
166, 042	Valley, James, Canton, Ohio. Metallic truss-bridge	July 27, 1875	993	279	3	169
	Valley Machine Company. (See Wright, William, assignor) (Reissue.)					
169, 317	Van, John, Cincinnati, Ohio. Heating-stove	Oct. 26, 1875	971	315	8	724
162, 570	Van Arnan, James W., Watertown, N. Y., assignor to self and Charles T. Greene, New-town, Conn. Egg-tester	May 4, 1875	122	40	7	763
164, 114	Van Arsdale, Theodore C., Brooklyn, N. Y. Revolving paint-exhibitor	June 8, 1875	266	91	7	978
169, 042	Van Benschoten, Henry E., Ghent, N. Y. Sole for boots and shoes	Feb. 23, 1875	786	259	7	312
169, 602	Van Brunt, Willard A., Horicon, Wis. Lifting device for seeders and cultivators	Nov. 2, 1875	263	85	8	769
171, 070	Van Bunschoten, Isaac, New York, N. Y., assignor to Joseph Christian, Sharpsburgh, Pa., and Samuel Christian, Putnam Valley, N. Y. Cooking-stove	Dec. 14, 1875	392	130	8	110
160, 557	Van Buren, Jafew S., Troy, N. Y. Cooking-stove	Mar. 9, 1875	283	86	7	338
168, 299	Van Burskirk, William G., assignor of one-half interest to Charles L. Kimball, Fishkill Landing, N. Y. Spark-arrester for locomotives	Sept. 28, 1875	874	280	8	553
	Van Campen, Harry D. (See Downing & Van Campen.)					
161, 182	Vance, Samuel B. H., New York, N. Y. Gas-wrench	Mar. 23, 1875	870	285	7	493
162, 871	Same Slide for gas-pendants	May 4, 1875	122	40	7	763
161, 302	Van Cleave, Thomas Y., Cornersville, Tenn. Wagon	Mar. 23, 1875	989	323	7	58
159, 722	Van de Carr, Reuben D., Rochester, N. Y. Canister	Feb. 9, 1875	452	151	7	255
165, 136	Vandegrift, Theodore F. and William, assignors of one-half interest to Oscar Wade, Wabash, Ind. Cultivator	June 29, 1875	1232	396	7	1130
	Vandegrift, William. (See Vandegrift, Theodore F. and William.)					
167, 367	Vandemark, Archibald B., New York, N. Y. Rotary engine	Aug. 31, 1875	1158	{ 364 } { 365 }	8	395
164, 347	Van De Mark, Charles, Hillsdale, Mich. Portable fence	June 8, 1875	483	{ 159 } { 160 }	7	056
164, 407	Same Motor	June 15, 1875	554	181	7	024
166, 827	Same Combined body-weight and hand-power	Aug. 17, 1875	620	192	8	205
167, 958	Van Derbeck, Henry. (See Murray, Thomas W., assignor.) Vandercrook, Frank E., assignor of one-half interest to Wallace & Sons, Ansonia, Conn. Corset-fastening	Sept. 21, 1875	534	171	8	498
166, 570	Vanderhoof, Orson G., Knoxville, Tenn. Diamond millstone-dressing machine	Aug. 10, 1875	371	114	8	260
164, 236	Vanderveer, Elias, jr., Manolapan, N. J. Potato-digger	June 8, 1875	374	127	7	982
167, 590	Vanderventer, William, Peoria, Ill. Door-check	Sept. 7, 1875	187	58	8	433
	Van Dervort, Nicholas W. (See Van Dervort, William V. and Nicholas W.)					
170, 418	Van Dervort, William V. and Nicholas W., New Antioch, Ohio. Cradle	Nov. 23, 1875	1080	340	8	900
6, 250	Vander Waag, Johannes A., Brooklyn, N. Y., assignor by mesne assignments to Augustus Cooke, Cincinnati, Ohio. Velocipede (Reissue.)	Jan. 26, 1875	875	285	7	167
	Van Deusen, Isaac S. (See McGavin, John, assignor.)					
168, 542	Van Devost, Cornelius, and Cornelius Van Fleet, Phelps, N. Y. Distilling oils	Oct. 5, 1875	206	67	8	593
	Vandewater, Charles H. (See Boelsen, Friderikka, assignor.)					
158, 547	Van De Water, James H., Conquest, N. Y., assignor of one-half interest to George A. Crooker, Ashtabula, Ohio. Washing-machine	Jan. 5, 1875	170	58	7	33
	Vandiver Corn Planter Company. (See Barlow, Joseph C., assignor.)					
162, 779	Van Doren, Francis, Adrian, Mich. Corn-planter	May 4, 1875	41	13	7	752
171, 592	Van Doren, Henry, South Branch, N. J. Double-acting pump	Dec. 28, 1875	923	302	8	1098
161, 303	Van Drelzen, John A., Peoria, Ill. Picture-mount	Mar. 23, 1875	990	324	7	598
	Van Dressar, Milford. (See Kellogg, Orson W., assignor.)					
162, 976	Van Dusen, Charles, assignor of one-half interest to F. S. Devel and E. A. Maginness, New Albany, Ind. Fire-extinguisher	May 4, 1875	226	73	7	776
6, 488	Van Duzer, Isaac F., Middletown, N. Y. Plumber's joint (Reissue.)	June 15, 1875	752	246	7	1052
165, 190	Van Duzer, Isaac F., Middletown, assignor to Charles Harrison, New York, N. Y. Combined cock and anti-combustion valve	July 6, 1875	50	14	8	15
170, 211	Van Dozer, Josiah B., and Riley Johnston, Sheshequin, Pa. Chain-pump bucket	Nov. 23, 1875	895	279	8	874
169, 316	Van Dyck, John H., Lewinsville, Va. Water-elevator	Oct. 26, 1875	970	314	8	724
	Van Dyke, Thomas, et al. (See Bloomer, William, assignor.)					
161, 915	Van Dyke, Thomas, New York, N. Y. Journal for balance-wheels	Apr. 13, 1875	299	100	7	63
162, 718	Van Dyne, Jacob B., Louisville, Ky. Fire-extinguisher	Apr. 27, 1875	1073	341	7	735
162, 719	Same same	Apr. 27, 1875	1074	341	7	735
	Van Fleet, Cornelius. (See Van Devost & Van Fleet.)					
161, 078	Van Fossen, George, John E. and Martin, Bethesda, Ohio. Harvester-cutter	Mar. 23, 1875	773	255	7	481
	Van Fossen, John E. (See Van Fossen, George, John E., and Martin.)					
	Van Fossen, Martin. (See Van Fossen, George, John E., and Martin.)					
161, 579	Van Gieson, William H., White Water, Wis. Projectile for rifled ordnance	Mar. 30, 1875	1271	409	7	553
164, 237	Van Gosen, Edward, Forest, Ohio. Press	June 8, 1875	355	127	7	992
	Van Haagen, Anthony. (See Van Haagen, Claus, assignor.)					
159, 481	Van Haagen, Claus, assignor to self and Anthony Van Haagen, Philadelphia, Pa. Metal-drilling machine	Feb. 2, 1875	237	74	7	216
159, 723	Van Haagen, Claus, assignor of one-half interest to Anthony Van Haagen, Philadelphia, Pa. Grinding-apparatus	Feb. 9, 1875	453	151	7	255
	Van Hoesen, Abraham A., executor. (See Mathieson, James W., assignor.)					
	Van Hoesen, Abraham H., executor. (See Hartley & Marshall, assignors.)					
	Van Hoorde, Jean F. (See Rolland & Van Hoorde.)					
165, 390	Van Hoosen, Casper, New York, N. Y. Paper-bag machine	July 6, 1875	234	71, 72	8	40
162, 590	Van Horn, Albert E., and Joseph Wideman, Sebawaing, Mich. Vehicle-seat lock	Apr. 27, 1875	947	304	7	720
158, 546	Van Horn, Andrew, Brooklyn, N. Y. Steam-heater	Jan. 5, 1875	169	58	7	32
	Vanhorn, Joseph S. (See Pack & Vanhorn.)					
166, 234	Van Horne, Robert P., Gratiot, assignor of one-half interest to W. S. Palmer, Brownsville, Ohio. Curry-comb	Aug. 3, 1875	45	14	8	205
161, 457	Van Kannel, Theophilus, Cincinnati, Ohio. Automatic cistern-supply regulator	Mar. 30, 1875	1151	371	7	537
169, 745	Van Kannel, Theophilus, and Lovias D. Towsley, Cincinnati, Ohio; said Van Kannel assignor to said Towsley. Combined pressure-gage and heat-regulator	Nov. 9, 1875	429	136	8	798
169, 746	Same Automatic check-valve for gas-machines	Nov. 9, 1875	430	136	8	798
169, 747	Same Gas-machine retort	Nov. 9, 1875	431	136	8	799

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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169, 603	Van Kersen, Izaak, Kalamazoo, Mich. Rotary-engine.	Nov. 2, 1875	264	85	8	770
	Van Lier, Alexander M. (See Warner, Oliver S., assignor.)					
	Vannmeter, Jacob R. (See Kenworthy & Vannmeter.)					
170, 649	Vanneoar, Edmund B., et al. (See Stearns, Charles A., assignor.)	Nov. 30, 1875	1312	414	8	940
168, 540	Vannice, John W., Crawfordsville, Ind. Dumping-device for filling graves.	Oct. 5, 1875	203	67	8	593
	Van Noubuys, Isaac, assignor to self and Thomas P. King, Brooklyn, N. Y. Heel-trimming machine.	Sept. 14, 1875	399	128	8	470
167, 808	Vanorder, Jacob W., and George Savage, Sloan, Iowa. Rotary-engine.					
	Van Orsdale, Augustus. (See Newman & Van Orsdale.)					
	Van Patten, Frederick. (See Clapp & Van Patten.)					
165, 276	Van Patten, William J., assignor to Wells, Richardson & Co., Burlington, Vt. Insect-powder box.	July 6, 1875	119	36	8	25
8, 487	Vau Slyck, Christopher, and Henry S. De Forest, Schenectady, N. Y. Neck of broom-heads.	July 13, 1875			8	49
8, 755	Van Stavoren, Samuel J., Philadelphia, Pa. Inkstand. (Design.)	Oct. 26, 1875			8	689
165, 456	Vaustone, Samuel, Providence, R. I. Stand for flowers.	July 13, 1875	327	96	8	60
167, 861	Vaustone, Samuel, Providence, assignor of two thirds interest to Henri E. Bacon, Pawtucket, and Lysander Flagg, Lincoln, R. I. Feed-device for rolling-mills.	Sept. 21, 1875	460	145	8	487
166, 951	Van Syckel, Samuel, Titusville, Pa., assignor to George H. Clarke, Brooklyn, N. Y. Grate-bar.	Aug. 24, 1875	754	233	8	331
166, 163	Vanurder, William, assignor of one-half interest to John Frederickson, Woodbury, Ind. Bee hive.	July 27, 1875	1024	315	8	186
165, 137	Vau Vechten, Junius R., Brooklyn, N. Y. Paper box.	June 29, 1875	1233	397	7	1130
163, 552	Vau Velsor, William E., Philadelphia, Pa. Pill tile.	May 18, 1875	793	251	7	874
162, 872	Vau Vleet, Charles W., Waterloo, N. Y. Addressing-machine.	May 4, 1875	123	41	7	763
	Vanvoorbis, E. T. (See Shoemaker & Jones, assignors.)					
161, 842	Van Wageningen, Albert, Boston, Mass. Screw-threaded wire for use in manufacture of boots and shoes.	Apr. 6, 1875	224	75	7	601
166, 658	Same. Leather tip for boots and shoes.	Aug. 10, 1875	448	138	8	251
166, 659	Same. Nail-strip for sole-fastenings.	Aug. 10, 1875	450	139	8	271
166, 660	Same. Shoe-tip.	Aug. 10, 1875	451	139	8	271
166, 661	Same. Nail-strip for sole-fastenings.	Aug. 10, 1875	452	139	8	271
166, 662	Same. same.	Aug. 10, 1875	453	139	8	271
166, 663	Same. same.	Aug. 10, 1875	454	140	8	271
166, 664	Same. Inner sole for boots and shoes.	Aug. 10, 1875	455	140	8	271
169, 933	Van Wageningen, Garrett, Monroe, Wis, and Melvin D. Goble, Dubuque, Iowa. Horse-collar.	Nov. 16, 1875	6.1	192	8	840
159, 532	Van Winkle, Edward, Atlanta, Ga. Cotton-condenser for cotton-gins.	Feb. 9, 1875	294	95	7	232
163, 900	Van Winkle, Edward, Atlanta, Ga. Cotton-press.	June 4, 1875	54	18	7	638
158, 654	Van Winkle, Garrett, Kalamazoo, Mich. Burial case.	Jan. 12, 1875	287	96	7	64
159, 779	Van Winkle, Garrett, Avon, Ill. Sulky-attachment to plows.	Feb. 16, 1875	525	175	7	270
8, 426	Van Wormer & McGarvey. (See Barnes, Joseph C., assignor.)					
	Van Wormer, Jasper, and Michael McGarvey, Albany, N. Y. Ornamentation of stove-doors.	June 22, 1875			7	1057
8, 458	Same. Stove. (Design.)	July 6, 1875			8	4
159, 136	Van Zandt, Robert S., Williamsburgh, N. Y. Step-ladder.	Jan. 26, 1875	761	250	7	151
14, 498	Same. Fountain-brush.	June 15, 1875	633	204	7	1035
171, 199	Same. Attachment for heels of boots and shoes.	Dec. 14, 1875	524	173	8	1047
159, 867	Varian, Samuel T., Plainfield, N. J. Weather-strip for windows.	Feb. 16, 1875	607	201	7	280
163, 424	Varley, John, assignor to Stephen Hickson, New York, N. Y. Method of booking gold-leaf.	May 18, 1875	609		7	858
	Varney, Alfred S. (See Elms, William, assignor.)					
163, 616	Varney, John W., assignor of one-half interest to John B. Hereford, Virginia City, Nev. Machine for saving quicksilver.	May 25, 1875	867	273	7	891
164, 346	Varns, Tobias L., et al. (See Piñett, William, assignor.) (Reissue.)	June 8, 1875	482	159	7	1006
162, 780	Varns, Tobias L., Kokomo, Ind. Rotary pressure-blower.					
	Varnum, Henry C., et al. (See Varnum, William, assignor.)					
	Varnum, William, assignor to James E. Larkin and Henry C. Varnum, Sharon, Vt. Ox-bow pin.	May 4, 1875	41	13	7	752
	Varrell, William D., et al. See Morrison, Josiah H., assignor.)					
	Va wig, Henry. (See Brenner, Rudolph, assignor.)					
170, 788	Vasquez, Charles L., assignor to Rex & Bockius, Philadelphia, Pa. Gas-generating apparatus.	Dec. 7, 1875	121	39	8	966
8, 282	Vasseur, Herman, assignor to Simpson, Hall, Miller & Co., Wallingford, Conn. Pitcher. (Design.)	Apr. 20, 1875			7	651
	Vassie, William. (See Willson & Vassie.)					
159, 127	Vater, Bernhard, New York, N. Y. Feathering paddle-wheel.	Jan. 26, 1875	761	251	7	151
161, 813	Vaughan, Arthur J., Lodi, Wis. Soap-hook.	Apr. 6, 1875	225	75	7	601
	Vaughao, Walter R. (See Brown & Vaughao.)					
	Same. (See Howe, Henry, assignor.)					
159, 482	Vaughn, Aaron C., Rainsburgh, Pa. Lamp-burner.	Feb. 2, 1875	229	74	7	216
8, 809	Vaughn, Joseph W., assignor of one-half interest to Albert H. Whidden, Peabody, Mass. Coffin-hinge.					
	Same. (Design.)	Nov. 23, 1875			8	862
167, 855	Vayasseur, Josiah, Southwark, England. Method of attaching rings to projectiles.	Mar. 16, 1875	568	185	7	444
166, 665	Veber, Lucius O., Schuylers Lake, N. Y. Wrench.	Aug. 10, 1875	457	140	8	271
171, 592	Veber, William F., Perysburgh, Ohio, assignor to self and A. S. and H. G. Coudit. Windmill.	Dec. 28, 1875	924	302 } 303 }	8	1098
	Vedder, Nicholas S. (See Wells, Vedder & Heister.) (Design.)					
	Same. (See Wolfe, Vedder & Ritchie.) (Design.)					
8, 836	Vedder, Nicholas S., Troy, N. Y. Cooking-stove. (No. 1. Design.)	Dec. 14, 1875			8	987
8, 337	Vedder, Nicholas S., Troy, N. Y., assignor to Comstock, Castle & Co., Quincy, Ill. Stove.	May 18, 1875			7	837
7, 966	Vedder, Nicholas S., Troy, and Tobias S. Heister, Lansingburgh, assignors to Nicholas S. Vedder, Troy, N. Y. Cooking-range.					
	Same. (Design.)	Jan. 12, 1875			7	47
7, 997	Same. Franklin stove.	Jan. 12, 1875			7	47
7, 998	Same. Heating stove.	Jan. 12, 1875			7	48
7, 999	Same. Cooking-stove.	Jan. 12, 1875			7	48
8, 604	Vedder, Nicholas S., and Francis Ritchie, Troy, and Tobias S. Heister, Lansingburgh, assignors to Nicholas S. Vedder, Troy, N. Y. Cooking-stove. (Design.)	Jan. 12, 1875			7	48
8, 005	Same. Base-burning stove.	Jan. 12, 1875			7	48
8, 006	Same. same.	Jan. 12, 1875			7	48
8, 012	Vedder, Nicholas S., and Francis Ritchie, Troy, assignors to Nicholas S. Vedder, Troy, N. Y. Parlor cooking stove.	Jan. 19, 1875			7	93
8, 025	Same. Cooking-range. (Case A. Design.)	Jan. 26, 1875			7	133
8, 026	Vedder, Nicholas S., and Francis Ritchie, Troy, and Tobias S. Heister, Lansingburgh, assignors to Nicholas S. Vedder, Troy, N. Y. Cooking-stove. (Case B. Design.)	Jan. 26, 1875			7	133

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8,035	Vedder, Nicholas S., Troy, and Tobias S. Heister, assignors to Fuller, Warren & Co., Lansingburgh, N. Y. Cooking-stove (Design).	Jan. 26, 1875			7	133
8,267	Vedder, Nicholas S., and Francis Ritchie, assignors to Swett, Quimby & Perry, Troy, N. Y. Cooking-range (Design).	June 1, 1875			7	926
8,393	Vedder, Nicholas S., and Tobias S. Heister, Troy, N. Y., assignors to Charles Noble, M. D., Charles Noble, and Francis P. Nicholson, Philadelphia, Pa. Plate of ranges (Design).	June 15, 1875			7	1014
8,459	Vedder, Nicholas S., Troy, N. Y., assignor to Comstock, Castle & Co., Quincy, Ill. Stove (Design).	July 6, 1875			8	4
8,837	Vedder, Nicholas S., Troy, and Tobias S. Heister, Lansingburgh, N. Y., assignors to said Vedder. Base-burning stove (No. 6. Design).	Dec. 14, 1875			8	987
8,838	Same..... Cooking-range (No. 3. Design).	Dec. 14, 1875			8	987
8,839	Same..... Illuminating base-burning stove (No. 7. Design).	Dec. 14, 1875			8	988
8,840	Same..... Heating stove (No. 9. Design).	Dec. 14, 1875			8	988
8,841	Same..... same (No. 5. Design).	Dec. 14, 1875			8	988
8,842	Same..... Cooking-stove (No. 2. Design).	Dec. 14, 1875			8	988
8,843	Same..... Parlor-stove (No. 4. Design).	Dec. 14, 1875			8	988
8,844	Vedder, Nicholas S., and Francis Ritchie, Troy, N. Y., assignors to said Vedder. Cooking-stove (No. 10. Design).	Dec. 14, 1875			8	988
8,850	Vedder, Nicholas S., Troy, assignor to John A. Goavey, Albany, N. Y. Range (Design).	Dec. 14, 1875			8	988
8,851	Vedder, Nicholas S., and Tobias S. Heister, Lansingburgh, and Francis Ritchie, Troy, N. Y., assignors to said Vedder. Base-burning stove (No. 8. Design).	Dec. 14, 1875			8	988
8,861	Vedder, Nicholas S., and Francis Ritchie, assignors to Swett, Quimby & Perry, Troy, N. Y. Parlor-stove (Design).	Dec. 21, 1875			8	1084
166,828	Vegetable Felting Company. (See Riker, Carroll L., assignor.)					
168,543	Veilleux, Anselm, New Richmond, Wis. Bench-vice	Aug. 17, 1875	621	193	8	305
161,183	Vehie, Henry C., assignor to Walter Adriance, Poughkeepsie, N. Y. Horse-rake	Oct. 5, 1875	207	68	8	593
160,130	Veiners, Thomas R., and Richard Rowley, Cumberland, Md. Machine for rolling tapered bars	Mar. 23, 1875	871	285	7	493
159,622	Vera, Pedro, Bogota, United States of Colombia. Gas-engine	Feb. 23, 1875	859	284	7	323
163,425	Verbrayck, Benjamin K., and Thomas Newberry, Chicago, Ill. Car-axle box	Feb. 9, 1875	359	119	7	242
161,916	Vergnes, Charles M., New York, N. Y., assignor of one-fourth interest to Clifton W. Sweet. Attachment to street-hydrants	May 18, 1875	669	214	7	858
167,140	Vergunson, Ezra L., Chicago, Ill. Gas-stove	Apr. 13, 1875	301	100	7	623
169,318	Vermilye, William G. (See Boura & Vermilye.)					
170,316	Vernon, George W., Bonsacks, Va. Lamp	Oct. 26, 1875	971	315	8	724
8,228	Vernon, Tinsley, Charleston, Mo. Superheater for steam-boilers	Nov. 23, 1875	987	309	8	888
166,488	Very, Theodore S. (See Batchelder, Hazen J., assignor.)					
170,033	Vesey, William B. (See Dunbrack & Vesey.)					
171,451	Vetter, Charles S., Philadelphia, Pa. Border for shirt-fronts, &c. (Design).	Mar. 23, 1875			7	466
168,945	Vetter, Joseph C., New York, N. Y. Induction-coil	Aug. 10, 1875	305	92	8	249
168,943	Vetterlein, John, Plainfield, N. J. Gate-latch	Nov. 16, 1875	701	221	8	842
168,944	Viall, James, John F. Townsend, and David W. Hill, Akron, Ohio. Truck	Dec. 21, 1875	770	254	8	1068
170,789	Vice, Martin. (See Thornton & Vice.)					
159,622	Victor Sewing Machine Company. (See Reese, Philip L., assignor.) (Reissue.)					
170,921	Victor, Sofie, New York, N. Y. Window-shutter	Dec. 7, 1875	122	39	8	966
159,780	Viehmeier, August, Saint Louis, Mo. Cooking-utensil	Dec. 7, 1875	234	80	8	982
160,246	Viele, Platt B., Rochester, N. Y. Folding bedstead	Feb. 16, 1875	526	175	7	270
162,977	Viets, Ellen B., Boston, Mass. Coat-shaper	Feb. 23, 1875	959	315	7	337
163,617	Same..... Apparatus for shaping pantaloons	May 4, 1875	227	73	7	777
161,458	Viets, Ellen B., and Charles B. Shaw, Boston, Mass. Apparatus for shaping pantaloons	May 25, 1875	868	273	7	891
161,459	Vignerou, Charles. (See Menecke, Henry, assignor.)					
161,458	Vincent, George, Stockton, Cal. Gage quilter and corder	Mar. 30, 1875	1152	371	7	537
161,460	Same..... Guide attachment for sewing-machine pressure-feet	Mar. 30, 1875	1152	372	7	538
170,650	Vincent, George H. (See West, True, assignor.)					
170,133	Vincent, John, sr., San Francisco, Cal. Ore-concentrator	Mar. 30, 1875	1153	372	7	538
167,959	Vincent, Mitchell, Saint Paul, Minn. Draw-bridge	Nov. 30, 1875	1313	415	8	940
161,844	Vine, David T., and Theodore J. Schuler, Fort Wayne, Ind. Ticket-case	Nov. 16, 1875	798	253	8	854
161,845	Vint, Robert, Brooklyn, N. Y. Heel for boots and shoes	Sept. 21, 1875	534	171	8	499
160,367	Vinton, Harlow S., Berrien Springs, Mich. Tire-upsetting machine	Apr. 6, 1875	225	75	7	601
159,868	Virgo, Charles, Bradford, Yorkshire, England, assignor to Arthur W. Carter, Newton, Mass. Index	Mar. 2, 1875	97	36	7	363
165,894	Virgo, Joseph R., Kalamazoo County, Mich. Sheep-holder for shearing	Feb. 16, 1875	607	201	7	220
168,544	Vogeding, H. Henry, Baltimore, Md. Vessel for removing foul water from docks, &c.	July 20, 1875	751	230	8	136
170,499	Vogeler, Charles A., et al. (See Pitt, William, assignor.)					
160,799	Vogler, Herman, Chicago, Ill. Trunk	Oct. 5, 1875	208	68	8	593
168,945	Voigt, Ferdinand, Jeffersonville, Ind. Water-wheel	Nov. 30, 1875	1172	370	8	921
168,946	Voigt, Frederick G., Kentish Town, England. Apparatus for the production of gas from hydrocarbon liquid	Mar. 16, 1875	526	{ 169 170 171 }	7	438
169,866	Voigt, Hermann, and Henry Eiluann, Milwaukee, Wis. Floor for refrigerator-buildings	Sept. 28, 1875	875	280	8	553
170,693	Voigt, Hermann, and Henry Eiluann, Milwaukee, Wis. Floor for refrigerator-buildings	Nov. 9, 1875	549	171	8	813
169,387	Voisin, Henri, Paris, France. Dampng attachment for lithographic-presses	Dec. 7, 1875	37	11	8	955
168,945	Voisin, Jean A., and Pierre Dronier, Paris, France. Apparatus for lighting lamps by electricity	Nov. 2, 1875	63	19	8	743
166,943	Voit, Frederick, assignor to Feust & Rice, New York, N. Y. Cradle	Oct. 19, 1875	602	199	8	666
168,946	Volkland, William, Fond du Lac, Wis. Store-counter	July 27, 1875	904	279	8	169
169,207	Voll, George. (See McGregor & Voll.) (Reissue.)					
163,553	Voltair, Alexander, New York, N. Y., and Charles E. Boll, assignors to James W. Carson, Philadelphia, Pa. Argand burner	Oct. 19, 1875	603	200	8	666
167,141	Voltz, Heinrich, Cincinnati, Ohio. Cigar-mold	Oct. 26, 1875	860	280	8	710
163,901	Vom Hofe, William, New York, N. Y. Bottle-stopper	May 18, 1875	793	251	7	874
165,895	Same..... same	Aug. 24, 1875	937	292	8	357
165,895	Von Auer, William, assignor to self and Richard T. Coombs, Brooklyn, N. Y. Swing-ing ship's berth	June 1, 1875	53	18	7	932
174,452	Von Behren, William H., Logansport, Ind. Spoke-temning machine	July 20, 1875	752	230	8	136
166,952	Von Culin, Matthew, Baltimore, Md. Cutting and punching press	Dec. 21, 1875	771	254	8	1068
166,952	Von Doehn, William, assignor to Culver, Page & Hoyne, Chicago, Ill. Paging and numbering machine	Aug. 24, 1875	754	234	8	332
166,952	Von Elsnur, Hugo B. E., Saint Louis, Mo. Car-coupling	June 15, 1875	731	239	7	1049
166,952	Von Nordhausen, Engene, et al. (See Benac, Auguste, assignor.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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170, 134	Von Schlemmer, August, Hochheim-on-the-Main, Germany. Stirring apparatus for malt-kilns	Nov. 16, 1875	799	253	8	554
165, 896	Von Verson, Frederick, and John Bickel, Baltimore, Md. Paving-block	July 20, 1875	753	230	8	136
162, 720	Von Wesseley, Joseph R. (See Peyer, Johann, assignor.)					
168, 812	Voorhees, Philip R., Washington, D. C. Steering apparatus	Apr. 27, 1875	1074	342	7	735
166, 164	Same. Toy spring-gun	Oct. 11, 1875	470	153	8	639
159, 128	Vose, Richard, administrator. (See Bullock, William.)					
163, 933	Vose, William T., Newton, Mass. Roste-sprinkler	July 27, 1875	1035	315	8	186
167, 809	Vote, Lewis, Pittsburgh, Pa. Car-coupling	Jan. 26, 1875	762	251	7	151
159, 869	Voth, Henry, Moberly, and Charles J. Hyatt, Saint Louis, Mo. Adjustable and reversible chair	June 1, 1875	95	32	7	944
167, 809	Wahl, Aimé, Newark, N. J. Vegetable-slicer	Feb. 16, 1875	608	201	7	281
171, 200	Wags, Maurice A., assignor of one-half interest to Joseph F. Field, Philadelphia, Pa. Trunk-stay	Sept. 14, 1875	399	128	8	470
163, 283	Wachs, William, Covington, Ky. Baker and roaster	Dec. 14, 1875	521	173	8	1027
163, 283	Wackwitz, Ernest F., New York, N. Y. Hot-water heating apparatus	July 6, 1875	120	37	8	25
159, 053	Waddle, Uriah B., assignor of one-half interest to Stephen D. Saxby, Trenton, Mo. Feather-renovator	May 11, 1875	526	{ 170 171	{ 7 7	{ 823 823
164, 059	Wade, Ascl M., Lawrence, Mass. Bobbin-supporter for spooling-machines	Jan. 26, 1875	697	229	7	142
165, 433	Same. Spindle for spinning-machines	June 1, 1875	193	70	7	957
168, 066	Same. Lubricating-spindle	July 13, 1875	303	89	8	57
	Same. Machine for spooling yarn	Sept. 21, 1875	649	206	8	514
	Wade, Charles A., et al. (See Murphy, Benjamin R., assignor.)					
	Wade, Dellamer. (See Pettit, Ethan H., assignor.)					
	Wade, James. (See Webster & Wade.)					
	Wade, Oscar. (See Vandegrift, Theodore F. and William, assignors.)					
160, 975	Wade, Scaton H., Chapel Hill, assignor of one-half interest to William J. Covington, Crystal Springs, Miss. Cotton-planting attachment to harrows	Mar. 16, 1875	673	220	7	458
162, 721	Wadhams, Edward F., Stamford, Conn., assignor of nine-tenths interest to Elon Foster, New York, N. Y. Fire-extinguisher	Apr. 27, 1875	1075	343	7	735
169, 208	Wadleigh, Andrew S., San Francisco, Cal. Socket-coupling	Oct. 26, 1875	861	281	8	710
160, 368	Wadsworth, Constant W., Peekskill, N. Y. Watch-case spring	Mar. 2, 1875	98	36	7	363
	Wadsworth, Henry C. (See Forchard & Sullivan.)					
	Same. (See Forchard & Wadsworth.)					
166, 734	Wadsworth, Wilson S., Miami County, Kans. Plow	Aug. 17, 1875	543	167	8	292
170, 651	Wabner, Johann, assignor to Daniel Richter, New York, N. Y. Neck-tie fastener	Nov. 30, 1875	1314	415	8	940
163, 120	Wagen, Robert M. (See Potter, William J., assignor.)					
161, 304	Waggoner, Joseph B., Athens, Ill. Stirrup	May 11, 1875	373	121	7	803
162, 978	Waggoner, Samuel T., assignor to Adolphus Hageling and Charles Laukler, Buffalo, N. Y. Folding table	Mar. 23, 1875	991	324	7	508
165, 191	Waggoner, Samuel T., Cold Water, Mich., assignor to Frank C. Porter, Buffalo, N. Y. Folding table	May 4, 1875	228	73	7	777
166, 829	Waggoner, William, Creston, Iowa. Farm-gate	July 6, 1875	51	14	8	16
	Wagner, A.olph. (See Hantsche & Wagner.)					
171, 453	Wagner, Daniel A., Buchanan, Mich. Bronzing-machine	Aug. 17, 1875	621	193	8	305
165, 597	Wagner, Ernst L., Saint Louis, Mo. Brick-machine	Dec. 21, 1875	771	{ 254 255	{ 8 8	{ 1068 1068
164, 238	Wagner, Franz, and Samuel Rumpus, New York, N. Y. Shoal-indicator for vessels	July 20, 1875	754	231	8	136
160, 066	Wagner, Frederick E., Buffalo, N. Y. Curtain-cord holder	June 8, 1875	376	128	7	993
170, 608	Wagner, George, Washington, D. C. Ventilator for windows	Feb. 23, 1875	899	266	7	315
163, 902	Wagner, Henry G., Georgetown, D. C. Guard for screw-propellers	Nov. 30, 1875	1277	402	8	935
	Wagner, John, Utica, N. Y. Spring bed-bottom	June 1, 1875	54	18	7	938
	Wagner, John P. (See Dubroy & Wagner.)					
	Wagner, Kauper & Deremo. (See Kauper, Johan, assignor.)					
161, 364	Wagner, Louis, assignor to J. H. Hobbs, Brockmanier & Co., Wheeling, W. Va. Glass sirrup-pitcher	Mar. 30, 1875	1162	345	7	526
167, 862	Same. Molasses-pitcher	Sept. 21, 1875	461	146	8	487
	Wagner, Theophilus. (See Schaeffer, Levi, assignor.)					
165, 138	Waggoner, Elijah, Westminster, Md. Feed-cutter	June 29, 1875	1234	397	7	1130
169, 209	Wagstaff, John C., assignor of one-fourth interest to Daniel Smith, New York, N. Y. Stirrup for riding-saddles	Oct. 26, 1875	862	281	8	710
	Wahl, Christian, et al. (See Hannabs, James M., assignor.)					
	Wahl, Louis, et al. (See Hannabs, James M., assignor.)					
158, 655	Wainwright, Charles B., Philadelphia, Pa. Game apparatus	Jan. 12, 1875	288	96	7	64
168, 688	Wait, Justin B. (See Scofield, Levi, assignor.)					
158, 611	Wait, Lorin A., Riceford, Minn. Clothes-drier	Oct. 11, 1875	360	118	8	624
167, 368	Waite, Charles H., Chicago, Ill. Letter-press map-printing	Jan. 12, 1875	244	82	7	58
	Waite, George L. (See Sham & Waite.)					
164, 348	Waite, George W., assignor to self, Edward P. Carpenter, and Horace M. Shortlidge, Philadelphia, Pa. Pipe wrench	Aug. 31, 1875	1159	365	8	395
164, 060	Wakefield, Charles A., Pittsfield, Mass. Earth-closet	June 8, 1875	483	160	7	1067
169, 748	Wakefield, John E., assignor to Edw. W. Vaill, Worcester, Mass. Folding chair	June 1, 1875	194	70	7	957
	Same. same	Nov. 9, 1875	432	137	8	799
169, 210	Walbridge, E. K. (See McDonough, Thomas, assignor.)					
170, 034	Walbridge, Henry B., Brooklyn, N. Y. Window-screen	Oct. 26, 1875	862	281	8	710
	Same. same	Nov. 16, 1875	702	222	8	842
	Waldo, Pharez G. (See Reilly & Waldo.)					
170, 317	Waldron, John, New Bedford, Mass. Implement for sifting coal-ashes	Nov. 23, 1875	988	310	8	888
160, 369	Wales, Elisha L. (See Prusha & Wales.) (Re-issue.)					
167, 041	Wales, John H., Milford, Mass. Toy arrow-shooter	Mar. 2, 1875	99	36	7	363
	Wales, Sigourney. (See Furness & Wales.)					
167, 282	Wales, Sigourney, New York, assignor of one-half interest to Nathaniel H. Furness, Tarrytown, N. Y. Lever-buckle	Aug. 24, 1875	838	261	8	343
160, 733	Same. Buckle	Aug. 31, 1875	1080	337	8	384
158, 548	Walker, Alexander, Mornington, assignor of one-half interest to George Sutherland, Listowel, Canada	Mar. 9, 1875	440	146	7	420
160, 801	Walker, Benjamin L., Sing Sing, N. Y. Wrench	Jan. 5, 1875	171	58	7	33
6, 453	Walker, David, Newark, N. J. Office table and bed combined	Mar. 16, 1875	528	171	7	438
	Walker, Edward K. (See O'Donnell & Walker.)					
	Walker, Edwin R., assignor to Elliott P. Gleason, New York, N. Y. Argand gas-burner. (Re-issue.)	May 25, 1875	1063	336	7	917
168, 813	Walker, George. (See Kenny, Charles, assignor.)					
s. 792	Walker, George E., Reynolds, Ga. Shell for ordnance	Oct. 11, 1875	472	153	8	639
160, 856	Walker, George W., Malden, Mass. Steam-radiator pipe (Design)	Nov. 9, 1875			8	777
	Walker, George W., Boston, Mass. Parlor-grate	Mar. 16, 1875	569	185	7	414



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160, 857	Walker, George W., Malden, Mass. Kettle for heating or cooking by steam.....	Mar. 16, 1875	570	186	7	444
161, 365	Same..... Portable range.....	Mar. 30, 1875	1063	346	7	526
168, 198	Walker, George W., Malden, and Miles Pratt, Watertown, Mass. Sectional steam-generator.....	Sept. 28, 1875	787	250	8	541
168, 067	Walker, Hugh L., Guelph, Canada. Sewing-machine shuttle.....	Sept. 21, 1875	651	206	8	514
160, 488	Walker, James, Cincinnati, Ohio. Spring-vehicle.....	Mar. 2, 1875	209	72	7	379
161, 366	Same..... Thill-coupling.....	Mar. 30, 1875	1063	346	7	526
162, 591	Walker, James, New York, N. Y. Grain-distributor.....	Apr. 27, 1875	947	304	7	750
163, 554	Walker, James T., Albany, N. Y. Roll for rolling horseshoe-blanks.....	May 18, 1875	794	251	7	874
163, 555	Same..... Horseshoe-blank.....	May 18, 1875	795	252	7	874
168, 068	Same..... Horseshoe.....	Sept. 21, 1875	652	207	8	514
170, 609	Same..... Horseshoe-blank.....	Nov. 30, 1875	1278	403	8	935
164, 886	Walker, Jesse, Vincennes, Ind. Railway-switch.....	June 22, 1875	996	321	7	1091
167, 042	Walker, John, Sonora, Cal. Stamp-mill feeder.....	Aug. 24, 1875	838	262	8	343
	Walker, Peter. (See Smith & Walker.).....					
	Same..... (See Smith, Ira O., assignor)..... (Reissue.)					
168, 302	Walker, Robert, Oakland, assignor of one-half interest to George W. Henshaw, Gridley, Cal. Vehicle-spring.....	Sept. 28, 1875	877	280	8	553
160, 800	Walker, Robert L., Boston, Mass. Stench-trap.....	Mar. 16, 1875	528	171	7	438
167, 418	Walker, Samuel S., Crompton, R. I. Take-up pawl for looms.....	Sept. 7, 1875	36	10	8	411
169, 749	Same..... Loom-temple.....	Nov. 9, 1875	432	137	8	799
	Walker, Thomas. (See Bancroft & Walker.)					
162, 979	Walker, Thomas, Pleasantville, Md. Sash-holder.....	May 4, 1875	229	74	7	777
163, 618	Walker, Thomas, Philadelphia, Pa. Safety-valve.....	May 25, 1875	869	273	7	891
168, 301	Walker, Thomas C., Morristown, Ohio. Boot-shank spring.....	Sept. 28, 1875	876	281	8	553
163, 121	Walker, Wesley W., Brattleborough, Vt. Organ reed-board.....	May 11, 1875	373	120	7	604
6, 635	Walker, William, Brooklyn, N. Y., assignor to George H. Wooster. Plaiting attachment for sewing-machines.....	Sept. 7, 1875	202	63	8	434
	Same..... Plaiting device..... (Reissue.)	Oct. 19, 1875	729	240	8	683
165, 634	Walker, William, West Liberty, Iowa. Windmill.....	July 13, 1875	491	15	8	85
169, 750	Walker, William C., Glasgow, Ky. Seed planter and drill.....	Nov. 9, 1875	433	137	8	799
167, 482	Walker, William H., Charleston, S. C. Square.....	Sept. 7, 1875	87	28	8	419
167, 960	Same..... Bale-tie.....	Sept. 21, 1875	535	171	8	499
162, 593	Walker, William L., and Benjamin G. Devoe, Kenton, Iowa. Clamp.....	Oct. 11, 1875	276	50	8	610
	Walker, William W., et al. (See Hawkins, John L., assignor.)					
163, 903	Wall, Adam S., Graniteville, Cal. Slow-match for lighting fuses.....	June 1, 1875	55	19	7	938
164, 617	Wall, John C., and Cola Ludington, Washington, D. C. Shirt-collar.....	June 15, 1875	732	239	7	1049
164, 349	Wall, Jonathan, Wilmington, Ohio. Bridge-truss.....	June 8, 1875	486	160	7	1007
164, 350	Wall, Thomas H., New Bedford, Mass. Bench-plane.....	June 8, 1875	487	160	7	1007
	Wallace & Sous. (See Vandercreek, Frank E., assignor.)					
162, 325	Wallace, James C., Pittsburgh, Pa. Crucible-mold.....	Apr. 20, 1875	679	221	7	678
16, 594	Wallace, John, Chicago, Ill. Hoisting machine.....	Oct. 11, 1875	277	90	8	611
162, 592	Wallace, John S., Philadelphia, Pa. Sash-fastener.....	Apr. 27, 1875	948	305	7	790
171, 071	Wallace, John S., Bretland, Ohio. Valve-indicator.....	Dec. 14, 1875	393	130	8	1010
169, 877	Wallace, Peter, London Township, Canada. Machine for making matches.....	Nov. 9, 1875	549	171	8	813
	Wallace, Samuel J. (See Andrus & Wallace.)					
170, 212	Wallace, Samuel J., Keokuk, Iowa. Geographical clock.....	Nov. 23, 1875	895	280	8	874
161, 367	Wallace, Thomas, Chicago, and George W. Hyde, Juliet, Ill. Machine for hulling and cleaning grain.....	Mar. 30, 1875	1065	346	7	526
161, 368	Wallace, Thomas, Chicago, Ill. Grain-scourer.....	Mar. 30, 1875	1066	346	7	526
170, 610	Wallace, Wesley W., Nechesville, Tex. Cotton-press.....	Nov. 30, 1875	1278	403	8	935
161, 580	Wallace, William S., assignor to Willis D. Green, Mount Vernon, Ill. Brick-machine.....	Mar. 30, 1875	1272	409	7	553
8, 703	Wallach, Willy, New York, N. Y. Cover of autograph-albums..... (Design)	Oct. 26, 1875				8 669
162, 599	Same..... Paper box.....	Apr. 27, 1875	850	281	7	711
163, 823	Wallck, Washington, Philadelphia, Pa. Apparatus for enameling moldings.....	May 25, 1875	1039	329	7	914
161, 461	Walling, John Z., Red Wing, Minn. Apparatus for breaking horses.....	Mar. 30, 1875	1154	372	7	538
162, 436	Wallis, George E., assignor of one-half interest to Searle & Dynes, Owatonna, Minn. Hot-air furnace.....	Apr. 20, 1875	789	256	7	691
159, 724	Wallis, John N., Auburn, N. Y., and Frank M. Harbach, Wilkesbarre, Pa., assignors of one-third interest to William H. Burnham. Inkstand-cover.....	Feb. 9, 1875	454	152	7	255
169, 751	Wallis, John N., Fleming, and Theodore Wallis, Scipio, assignors to selves and James A. Moore, Auburn, N. Y. Monument.....	Nov. 9, 1875	434	137	8	799
8, 745	Wallis, Samuel, Newton, Mass. Knitted skit..... (Design)	Oct. 19, 1875				8 645
	Wallis, Theodore. (See Wallis, John N. and Theodore.)					
164, 784	Wallis, Theodore, Scipio, and Oscar J. Case, Auburn, N. Y. Plow-culter cleaner.....	June 22, 1875	896	292	7	1079
165, 458	Walrath, Alphonso, Fort Plain, assignor to E. D. Bronson & Co., Amsterdam, N. Y. Broom-corn-sizing machine.....	July 13, 1875	328	96	8	60
168, 814	Walrath, Alphonso, and Edward D. Bronson, Amsterdam, N. Y. Broom-winding machine.....	Oct. 11, 1875	473	154	8	639
167, 205	Walser, Charles J., Lancaster, Pa. Vehicle.....	Aug. 31, 1875	1016	316	8	375
160, 558	Walsh, John, and James Dufot, Newton, Iowa. Machine for shearing metal.....	Mar. 16, 1875	571	186	7	444
171, 072	Walsh, Maurice, Silley Cove, and Maurice Abeam, Ottawa, Canada. Bread-cutter.....	Dec. 14, 1875	393	130	8	1010
6, 559	Walsh, Maurice J., New York, N. Y. Cotton-jack..... (Reissue)	July 27, 1875	1044	321	8	188
169, 319	Same..... Jack for pressing, stoving, &c.....	Oct. 26, 1875	972	315	8	724
170, 419	Same..... Hydraulic jack.....	Nov. 23, 1875	1081	341	8	900
167, 591	Walsh, Patrick H., Waterbury, Conn. Stone-polishing machine.....	Sept. 7, 1875	188	58, 59	8	432
168, 815	Walsh, Robert F., Philadelphia, Pa. Curry-comb.....	Oct. 11, 1875	474	155	8	639
	Walsh, Thaddeus, et al. (See Broas, Richard M. C., assignor.)					
162, 873	Walsh, Thomas J., Brownsville, Pa. Steam-engine governor.....	May 4, 1875	124	41	7	763
160, 370	Walsh, William, Albany, N. Y. Stove-grate.....	Mar. 2, 1875	99	36	7	363
168, 303	Walter, Bernhard C., Kirkwood, Mo. Thill-coupling.....	Sept. 28, 1875	878	281	8	553
159, 369	Walter, Horace E., Richfield Springs, N. Y. Electric burglar-alarm.....	Feb. 2, 1875	115	39	7	200
162, 437	Walter, James E., Baltimore, Md. Self-raising seat for water-closets.....	Apr. 20, 1875	790	257	7	691
161, 184	Walter, Rudolph L., assignor to William A. de Caudry, Washington, D. C. Shell-fuse.....	Mar. 23, 1875	871	286	7	493
160, 371	Walter, Thomas C., San Francisco, Cal. Fruit-drier.....	Mar. 2, 1875	100	37	7	363
161, 305	Walter, Thomas F., Philadelphia, Pa. Stair-pad.....	Mar. 2, 1875	991	324	7	509
167, 349	Same..... Pillow-case frame.....	Aug. 31, 1875	1160	365	8	395
161, 079	Walter, William, Derry Station, Pa. Water-elevator.....	Mar. 23, 1875	774	255	7	481
164, 887	Walter, William, Latrobe, Pa. Water-elevator.....	June 22, 1875	997	322	7	1091
166, 668	Walter, William P., Philadelphia, Pa. Cornice-tool.....	Aug. 10, 1875	457	140	8	272
159, 484	Walters, Ahnern B., and Charles Saunders, Philadelphia, Pa. Cutting and polishing machine.....	Feb. 2, 1875	230	75	7	216

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 233	Walters, Charles D. (See Patton & Walters.)					
159, 483	Walters, Charles D., assignor to William A. Middleton and H. L. Bowers, Harrisburgh, Pa. Cellar-boist or elevator	Jan. 26, 1875	860	250	7	164
165, 633	Walters, Edmund, assignor of one-half interest to Henry Walters, Tamaqua, Pa. Relief-valve for cylinders	Feb. 2, 1875	229	74	7	216
168, 118	Walters, Henry. (See Walters, Edmund, assignor.)					
167, 283	Walther, Daniel, Reading, Pa. Molding instrument	July 13, 1875	490	149	8	85
168, 199	Walton Brothers. (See Houston, George P., assignor.)					
168, 118	Walton, Elias H., and Michael Hemler, Cincinnati, Ohio. Safe-door	Sept. 28, 1875	712	225	8	530
167, 283	Walton, Frederick, Staines, Great Britain, assignor to American Linoleum Manufacturing Company, New York, N. Y. Block-printing machine	Aug. 31, 1875	1081	358 359 340	8	384
168, 199	Same.....Machine for making plastic floor-cloth	Sept. 28, 1875	788	250 251	8	741
164, 351	Walton, George, and William E. Merrill, Cincinnati, Ohio. Signal-lantern	June 8, 1875	487	161	7	1007
165, 457	Walton, James, Boston, assignor of one-half interest to Henry F. Rich, Haverhill, Mass. Folding table	July 13, 1875	328	96	8	60
159, 129	Walton, John E. (See Cole, Thomas Z., assignor.)					
159, 129	Walton, Jonathan, Brooklyn, N. Y. Alarm-lock	Jan. 26, 1875	763	251	7	151
8, 692	Walton, Joseph J. (See Frazee, Lawrence F., assignor.)					
168, 434	Walton, William A., assignor to the Weybosset Mills, Providence, R. I. Fancy cassimere (Design)	Oct. 5, 1875			8	561
168, 434	Walton, William M., and Joseph J., New York, N. Y. Signal head-light for vessels	Oct. 5, 1875	110	35	8	579
158, 612	Walworth, Caleb C. (See Houghton, Edward C., assignor.)					
164, 700	Walworth, Caleb C., Boston, Mass. Steam-heat radiator	Jan. 12, 1875	245	83	7	58
166, 735	Same.....Application of steam-pipes to buildings	June 22, 1875	824	269	7	1070
159, 623	Same.....Connecting steam, gas, or water pipes	Aug. 17, 1875	544	167	8	293
162, 722	Walworth, James J., trustee. (See Ryder, Henry, assignor.) (Reissue.)					
159, 623	Wampach, John, Shakopee, Minn. Bob sled	Feb. 9, 1875	369	119	7	242
161, 306	Wands, John C., Nashville, Tenn. Metallic roof	Apr. 27, 1875	1082	343	7	736
169, 380	Wannack, Augustus. (See Liecke, Charles A., assignor.) (Reissue.)					
164, 618	Wanner, Albert and Charles A., New York, N. Y. Watch-key	Mar. 23, 1875	992	324	7	509
168, 689	Wanner, Charles A. (See Wanner, Albert and Charles A.)					
168, 689	Wanner, Joseph, assignor of one-third interest to Ernst Hurst, Syracuse, N. Y. Table-leaf support	Nov. 2, 1875	64	19	8	743
168, 689	Wannick, Friedrich, and Hermann Koeppner, Brünn, Austro-Hungarian Empire. Valve-gear	June 15, 1875	743	339 340	7	1049
165, 278	Wausbrough, Edmund, assignor to Alexander Speer & Sons, Pittsburgh, Pa. Machine for shaping agricultural implements	Oct. 11, 1875	360	118	8	624
169, 268	Wanstall, John, Washington, D. C. Horseshoe	July 6, 1875	120	37	8	25
171, 251	Want, Edwin, New Haven, Conn. Eyeglass	Nov. 9, 1875	551	172	8	813
168, 947	Wantzer, Rich. M. (See McCune, Joseph B., assignor.)					
167, 043	Wanzer, Isaac H., Elgin, Ill. Milk-cooler	Dec. 21, 1875	594	195	8	1045
167, 044	Waples, William T. (See Watson, John, assignor.)					
169, 269	Ward, Charles, Boston, Mass. Fireman's ladder	Oct. 19, 1875	603	200	8	666
170, 611	Ward, Charles E. (See Lawrence & Ward.)					
169, 269	Ward, Frank O., assignor of one-half interest to Lewis Murr, Philadelphia, Pa. Boot and shoe	Nov. 30, 1875	1279	403	8	935
160, 372	Ward, George M. (See Brady & Ward.)					
166, 953	Ward, Miron A. (See Jacobi, Louis, assignor.)					
163, 284	Ward, Thomas H., et al. (See Johnson, John, assignor.)					
164, 061	Ward, William. (See Garton, William J., assignor.)					
171, 493	Ward, William C. (See Henkel & Ward.)					
162, 980	Ward, William E., Port Chester, N. Y. Machine for dressing the heads and pointing and threading the shanks of bolts	Dec. 28, 1875	828	272 273	8	1084
167, 043	Ward, William H., Virginia, Mo. Hame-fastening	May 4, 1875	230	74	7	777
167, 044	Ward, William H., Auburn, N. Y. Car-coupling	Aug. 24, 1875	839	262	8	343
169, 269	Same.....Friction power-brake	Aug. 24, 1875	841	262	8	344
160, 372	Ward, William S., assignor to H. D. Smith & Co., Plantsville, Conn. Die for forging saddle-clips	Nov. 9, 1875	551	172	8	813
160, 372	Warden, Americus, et al. (See Hollis, John W., assignor.)					
166, 953	Warder, William, et al. (See Cochrane, William F., assignor.) (Reissue.)					
163, 284	Wardwell, Charles P. S., Lake Village, N. H. Planing-machine	Mar. 2, 1875	101	37	7	363
164, 061	Same.....Wire-straightening machine	Aug. 24, 1875	757	234	8	332
167, 142	Wardwell, Simon W., jr., assignor to self and George W. Shaw, Saint Louis, Mo. Treadle	May 11, 1875	522	171	7	823
163, 284	Ware, John A., assignor to Edw. W. Vail, Worcester, Mass. Folding chair	June 1, 1875	195	70	7	937
163, 284	Ware, John M. (See Lockwood & Ware.)					
165, 635	Ware, Preston J., Boston, Mass. Process of currying calf-skins	Aug. 24, 1875	938		8	357
6, 705	Warfield, Oliver D., assignor of one-half interest to John Auderton, Chicopee Falls, Mass. Lamp-chimney	May 25, 1875	1040	330	7	914
165, 635	Warfield, Oliver D., assignor to self and George D. Bartlett, Chicopee, Mass. Watch-key combination-tool	July 13, 1875	492	150	8	85
169, 389	Waring, John B., assignor to Waring Rock Drill Company, New York, N. Y. Tripod for rock-drilling machines. (Reissue.)	Oct. 19, 1875	731	241	8	683
163, 770	Same.....same	Nov. 2, 1875	65	19	8	743
159, 054	Waring, Michael L., assignor to self and Corydon B. Palmer, Detroit, Mich. Steam-engine lubricator	July 20, 1875	625	192	8	119
165, 391	Waring Rock Drill Company. (See Waring, John B., assignor.) (Reissue.)					
165, 279	Warner, Thomas, New York, N. Y. Apparatus for drawing effervescent liquids	Jan. 26, 1875	698	230	7	142
170, 420	Same.....Apparatus for dispensing effervescent liquids	July 6, 1875	239	72	8	41
158, 415	Ware, Justin A., administrator. (See Bullough, James.)					
166, 953	Warren, James, and John Forrester, Chicago, Ill. Grate	July 6, 1875	121	37	8	25
167, 142	Warner, Almon. (See Hyman, John, assignor.)					
167, 142	Warner, Amos S., et al. (See Talbot-Clarke, Charles, assignor.)					
167, 142	Warner, Arthur, London, England. Reining cast iron	Nov. 23, 1875	1081		8	901
167, 142	Warner & Co., William R. (See Warner, William R., assignor.) (Design.)					
167, 142	Warner, Bishop J. (See Rocco & Warner.)					
167, 142	Warner, Henry W., Greenfield, Mass. Axle for children's carriages	Jan. 19, 1875	448	149	7	102
167, 142	Same.....Vehicle-top	July 27, 1875	1025	316	8	186

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168, 304	Warner, Ira D., Cortlandville, N. Y. Corset .....	Sept. 28, 1875	878	281	8	554
166, 235	Warner, James, Philadelphia, Pa. Water-tube boiler.....	Aug. 3, 1875	45	15	8	205
158, 550	Warner, Jesse F., Dakota City, Nebr. Seed-planter .....	Jan. 5, 1875	172	59	7	33
167, 284	Warner, Lewan A., Freeport, Ill. Door-spring .....	Aug. 31, 1875	1024	340	8	385
162, 781	Warner, Oliver S., Akron, Ohio, assignor of one-half interest to Alexander M. Van Lier, Brooklyn, N. Y. Device for applying poisonous compounds to plants for destroying insects .....	May 4, 1875	42	13	7	752
158, 549	Warner, Peter, Gilead, Mich. Grain-separator .....	Jan. 5, 1875	172	59	7	33
8, 970	Warner, William R., assignor to William R. Warner & Co., Philadelphia, Pa. Druggist's shop-bottle .....	Sept. 28, 1875			8	521
8, 671	Same..... same..... (Case B. Design).....	Sept. 28, 1875			8	521
	Warner, William Y. (See Howson, Henry, assignor.)					
	Warner, Worcester R. (See Swasey, Ambrose, assignor.)					
	Warner, Wyllys H. (See Bates, Edward P., assignor.)					
167, 483	Warnock, David, Percival, Iowa. Washing-machine.....	Sept. 7, 1875	88	28	8	419
167, 961	Warren, Aaron R., Lawrence, Mass. Suspender .....	Sept. 21, 1875	535	172	8	499
159, 291	Warren, Andrew, Waltham, Mass. Stocking and skirt holder.....	Feb. 2, 1875	44	16	8	191
159, 987	Warren, Andrew J. (See Batchelor & Warren.)					
	Warren, Benjamin F., Fishkill, N. Y., assignor of one-half interest to Daniel W. Warren, Newark, N. J. Differential pulley-block .....	Feb. 16, 1875	716	238	7	295
160, 390	Warren, Charles, Shobury, England. Stove .....	Nov. 2, 1875	66	20	8	743
160, 247	Warren, Charles A., Watertown, Conn. Body for floral decorations.....	Feb. 23, 1875	960	315	7	337
162, 723	Warren, Charles H., Toledo, Ohio. Rotary churn .....	Apr. 27, 1875	1083	343	7	736
	Warren, Daniel W. (See Warren, Benjamin F., assignor.)					
163, 285	Warren, Edmond A., Brooklyn, N. Y. Device for lubricating and preventing the heating of car-axle boxes .....	May 11, 1875	529	171	7	824
159, 725	Warren, George E., Wolcott, Vt. Stencil-plate.....	Feb. 9, 1875	455	152	7	256
163, 556	Warren, Henry J., Lexington, Mass. Lamp extinguisher .....	May 18, 1875	795	252	7	874
169, 604	Warren, Henry J., Lexington, and Henry F. Packard, Brockton, assignors to Lorin A. Presby and Charles and Jonathan Swift, Boston, Mass. Lamp-extinguisher .....	Nov. 2, 1875	264	85	8	770
163, 954	Warren, John E., Westbrook, Me. Fence-post .....	June 1, 1875	96	33	7	941
165, 192	Warren, John S., Wilmington, Del. Paper-pulp screen .....	July 6, 1875	51	15	8	16
	Warren, Josiah, et al. (See Tyler, Hiram, assignor.)					
169, 870	Warren, Oscar F., Knowlesville, N. Y. Potato-digger.....	Nov. 9, 1875	552	173	8	813
168, 816	Warren, Silas L., Chicago, Ill. Stove-platform.....	Oct. 11, 1875	475	155	8	639
8, 650	Warren, Walter P., assignor to Fuller, Warren & Co., Troy, N. Y. Gridiron. (Design).....	Sept. 14, 1875			8	439
	Warren, William C. (See Hilkner, Henry, assignor.)					
169, 320	Warrington, Joseph H., Camden, N. J., assignor of one-half interest to William J. Flanagan, Philadelphia, Pa. Annealing metals.....	Oct. 26, 1875	973	315	8	724
6, 238	Warth, Albin, Stapleton, N. Y. Machine for cutting cloth..... (Reissue).....	Jan. 19, 1875	639	212	7	127
159, 988	Same..... Machine for piling textile materials .....	Feb. 16, 1875	718	{ 238 239	7	295
165, 636	Same..... Cloth-cutting machine.....	July 13, 1875	493	{ 150 151	8	85
169, 066	Same..... Implement for notching patterns for garments .....	Oct. 19, 1875	717	236	8	681
169, 212	Warwick, Richard, Williamsburgh, N. Y. Composition for cement.....	Oct. 26, 1875	864		8	710
161, 185	Washburn, Cadwallader C., Madison, Wis. Machine for crushing grain.....	Mar. 23, 1875	872	286	7	493
	Washburn, C. F. (See Pinney & Hasty, assignors.)					
	Washburn, Gratiot. (See Lasserre, Antoine G., assignor.)					
167, 143	Washburn, Milo E., Indian Lake, N. Y. Turbine water-wheel.....	Aug. 24, 1875	939	{ 292 293	8	357
168, 858	Washburne, Pliny E., assignor of one-half interest to Charles A. Babcock, Buffalo, N. Y. Stove-door knob .....	Oct. 19, 1875	523	171	8	654
	Washeim, Charles, et al. (See Ludwig, John C., assignor.)					
	Washington Mills. (See Jewell, Aaron, assignor.)..... (Design.)					
	Wasserman, Benoit. (See Garcia, José, assignor.)					
160, 976	Waste, Charles, Galesburgh, Ill. Hay-press.....	Mar. 16, 1875	674	220	7	459
169, 752	Waste, Frederick H., Philadelphia, Pa. Convertible chair.....	Nov. 9, 1875	435	138	8	799
	Waterbury Buckle Company. (See Smith, Dwight L., assignor.)					
	Waterbury Button Company. (See Goodwin, Charles H., assignor.)					
	Same..... (See Smith, Joseph R., assignor)..... (Design.)					
161, 718	Waterbury, Charles G., New York, N. Y. Track-clearer.....	Apr. 6, 1875	107	38	7	584
162, 593	Waterbury, Milan, assignor to self and William H. Betts, Mason City, Iowa. Lamp-extinguisher .....	Apr. 27, 1875	949	305	7	720
163, 343	Waterman, Albert and Elias, Rutland, Wis. Lamp-extinguisher.....	May 18, 1875	602	102	7	849
	Waterman & Mayer, et al. (See Waterman, Julius, assignor.)					
	Waterman & Mayer. (See Olmstead, Chauncey L., assignor.)					
	Waterman, Elias. (See Waterman, Albert and Elias.)					
160, 067	Waterman, Jonathan W., Oregon, Wis. Lamp-extinguisher.....	Feb. 23, 1875	810	266	7	315
108, 305	Same..... Teeth for thrashing-machines.....	Sept. 28, 1875	879	281	8	554
164, 619	Waterman, Joseph S., Boston, Mass. Burial-casket case.....	June 15, 1875	734	249	7	1049
164, 239	Waterman, Julius, assignor to Waterman & Mayer, New York, N. Y., and Chauncey L. Olmstead, West Brookfield, Mass. Corsets .....	June 8, 1875	376	128	7	993
6, 625	Waters, Charles H., Groton, assignor to Clinton Wire Cloth Company, Clinton, Mass. Machine for painting wire-cloth..... (Reissue).....	Aug. 31, 1875	1175	370	8	398
6, 626	Same..... Painting wire-cloth..... (Reissue).....	Aug. 31, 1875	1176	370	8	398
6, 627	Waters, David J. (See Churchill, Robert W., assignor.)					
160, 979	Waters, Elisha, Troy, N. Y. Paper vessel..... (Reissue).....	Aug. 31, 1875	1176	370	8	398
163, 705	Waters, Horatio N., West Meriden, Conn. Feed-water heater for steam-boilers.....	Mar. 16, 1875	677	222	7	459
	Waters, Jabez M., Cincinnati, Ohio. Tilting chair.....	May 25, 1875	937	298	7	900
	Waters, James. (See Crittenden & Waters.)					
	Waters, James T. (See Reford, Joseph W., assignor.)					
164, 352	Waters, Zachariah D., Brookville, Md. Horse-power .....	June 8, 1875	489	161	7	1007
167, 285	Watkeys, Henry, Syracuse, N. Y. Adjustable trigger for fire-arms.....	Aug. 31, 1875	1084	341	8	385
	Watkins, Albert H. (See B own & Watkins.)					
165, 042	Watkins, Albert H., Boston, Mass. Reservoir for street-lanterns.....	June 29, 1875	1148	370	7	1119
168, 366	Watkins, Edmund G., assignor to James B. Watkins, Georgetown, Cal. Bed-bug trap.....	Sept. 28, 1875	860	281	8	554
166, 667	Watkins, Frank, New York, N. Y. Vessel for measuring ice-cream, &c .....	Aug. 10, 1875	458	141	8	272
	Watkins, James B. (See Watkins, Edmund G., assignor.)					
	Watkins, James T. (See McCall, Watkins & Scott.)					
163, 955	Watkins, William, and Hiram B. Scent, Joliet, Ill. Barbed-wire fence .....	June 1, 1875	97	33	7	944
168, 200	Watkins, William S., Saint Louis, Mo. Combined burglar-alarm and door-fastener.....	Sept. 28, 1875	790	251	8	541
169, 391	Same..... Horse and water power apparatus.....	Nov. 2, 1875	67	20	8	743
8, 810	Watkinson, George, assignor to L. Candee & Co., New Haven, Conn. Overshoe. (Design).....	Nov. 23, 1875			8	862

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161, 307.	Watson, Baron C., assignor of one-half interest to Leon Furniss, New York, N. Y. Breech-loading fire arm	Mar. 23, 1875	992	325	7	509
161, 308	Same..... Breech-loading ordnance	Mar. 23, 1875	994	325	7	509
162, 594	Watson, Calvin A., New York, N. Y. Nursery-chair	Apr. 27, 1875	950	305	7	720
165, 771	Watson, Eliphalet, Northwood Centre, N. H. Metallic roof	July 20, 1875	626	192	8	119
163, 286	Watson, Henry W., New York, N. Y. Coffee-pot	May 11, 1875	531	171	7	824
171, 331	Watson, James, Port Colborne, Canada. Churn	Dec. 21, 1875	662	218	8	1053
159, 485	Watson, Jeremiah M., Sharon, Mass. Shank-stiffener for boots, &c.	Feb. 2, 1875	230	75	7	216
165, 898	Same..... Stove-polish	July 20, 1875	755	.....	8	137
170, 135	Same..... Machine for cutting shank-stiffeners for boots and shoes	Nov. 16, 1875	801	251	8	855
168, 069	Watson, John, Williamsport, assignor to William T. Waples, Philadelphia, Pa. Ironing-board	Sept. 21, 1875	653	207	8	514
169, 871	Watson, John, Trenton, N. J. Clay-press	Nov. 9, 1875	551	173	8	814
164, 620	Watson, John A., Lexington, Miss. Portable lighter	June 15, 1875	735	240	7	1049
165, 899	Same..... Baking-stand	July 20, 1875	756	231	8	137
	Watson, Jonathan, et al. (See Allen, Hosea, assignor.)					
	Watson, Joseph. (See De Huff, John L., assignor.)					
169, 605	Watson, Joseph, Everett, and John L. De Huff, Woburn, Mass.; said De Huff assignor to said Watson. Oscillating printing-press	Nov. 2, 1875	965	86, 87	8	770
161, 581	Watson, Lewis H., Cleveland, Ohio. Forge-blower	Mar. 30, 1875	1273	409	7	533
158, 656	Watson, Richard D., Findley, Ohio. Car-replacer	Jan. 12, 1875	289	97	7	64
163, 035	Watson, Richard H., Philadelphia, Pa. Gas-fixture for lighting vaults	May 11, 1875	299	96	7	793
168, 690	Watson, Robert C., Maysville, Ohio. Nut-fastening	Oct. 11, 1875	361	118	8	624
	Watson, Samuel. (See Ogborn, Harrison, assignor.)					
169, 067	Watson, Thomas, and Robert Kelso, Philadelphia, Pa. Invalid-bedstead	Oct. 19, 1875	718	237	8	681
170, 035	Watson, Thomas A., Bentonville, Ark. Car-coupling	Nov. 16, 1875	703	222	8	842
158, 763	Watson, Walter S., Boston, Mass. Nail-driving machine	Jan. 12, 1875	374	128	7	75
170, 313	Watson, Walter S., and Albion Knowlton, Boston, Mass. Fare-register	Nov. 23, 1875	988	310	8	885
158, 657	Watson, William M., Tonia, Ill. Roll for welding plow-irons	Jan. 12, 1875	290	97	7	64
164, 621	Same..... same	June 15, 1875	735	{ 210 } { 241 }	7	1049
169, 213	Same..... Die for upsetting the ends of plow-shares and blanks therefor	Oct. 26, 1875	865	282	8	710
160, 131	Watson, William O., Albany, Ga. Lever-press	Feb. 23, 1875	860	284	7	323
165, 637	Watson, William R., and Robert A. Robertson, Glasgow, Scotland. Apparatus for filtering saccharine solutions	July 13, 1875	495	151	8	85
	Watt, David M., et al. (See Kinzer, Jacob, assignor.)					
	Watt, William. (See Reford, Joseph W., assignor.)					
	Watt, William, jr. (See Reford, Joseph W., assignor.)					
163, 358	Watterson, Arthur R., San Francisco, Cal. Mortising-chisel	Oct. 5, 1875	34	13	8	509
166, 909	Wattles, Joseph W., Canton Mass. Ring for spinning-frames	Aug. 17, 1875	700	217	8	315
168, 435	Same..... Composition for sizing yarn	Oct. 5, 1875	100	.....	8	579
	Wattles, Thomas B. (See Blanding, Francis, assignor.)					
164, 062	Wattles, Thomas B., Canton, Mass. Bobbin for spinning-machines	June 1, 1875	195	70	7	957
	Watts, James M. (See Finley, James R., assignor.)					
161, 917	Watts, Joseph E., Lawrence, Mass. Steam or water pressure regulator	Apr. 13, 1875	301	101	7	623
166, 908	Watton, Henry, Jessup, Iowa. Animal-poke	Aug. 17, 1875	700	217	8	315
16, 439	Way, Francis, Springfield, Ohio. Combined mangle and ironing-table	Apr. 20, 1875	794	258	7	692
160, 977	Way, Francis and Martin, Springfield, Ohio. Wash-bench	Mar. 16, 1875	675	221	7	459
160, 978	Same..... same	Mar. 16, 1875	676	{ 221 } { 222 }	7	459
161, 309	Same..... Clothes-wringer	Mar. 23, 1875	794	325	7	509
	Way, Martin. (See Way, Francis & Martin.)					
170, 790	Way, Mattin and Thomas R., assignors of one-half interest to George W. Kelley, Springfield, Ohio. Earth-auger	Dec. 7, 1875	122	40	8	967
	Way, Thomas R. (See Way, Martin and Thomas R.)					
162, 438	Wayland, James, assignor to self and Thomas M. Brintnall, New York, N. Y. Cloth winding and measuring machine	Apr. 20, 1875	791	257	7	691
	Wayne Agricultural Company. (See Lawrence & Thomas, assignors.)					
	Wayne Agricultural Company. (See Morgan, Edmond, assignor.)					
164, 353	Wayne, Joseph, Philadelphia, Pa. Tooth-brush	June 8, 1875	491	161	7	1007
165, 521	Wayne, William T., Conyngham, Pa. Saw-mill	July 13, 1875	386	115	8	69
	Weant, William A. (See Foster & Weant.)					
161, 918	Weant, William A., Salisbury, N. C. Railway-switch	Apr. 13, 1875	303	101	7	623
164, 354	Weare, John H. and Nathan, Cincinnati, Ohio. Culinary utensil	June 8, 1875	491	162	7	1007
	Weare, Nathan. (See Weare, John H. and Nathan.)					
169, 068	Weatherhead, James, San José, Cal. Guard-strap for shafts and strap-couplings	Oct. 19, 1875	719	237	8	681
167, 144	Weathers, James, Greensburgh, Ind. Combined sash-holder and curtain-fixture	Aug. 24, 1875	940	293	8	357
	Weatherwax, George W. (See Hiek & Weatherwax.)					
166, 830	Weaver, Andrus S., Joy, N. Y. Sharpening-machine	Aug. 17, 1875	623	{ 193 } { 194 }	8	305
165, 459	Weaver, Anthony, Syracuse, N. Y. Slide for extension-tables	July 13, 1875	330	97	8	61
160, 132	Weaver, George L., Hartford, Conn. Plane	Feb. 23, 1875	860	285	7	323
166, 045	Weaver, Henry M., Mansfield, Ohio. Wash-bowl	July 27, 1875	906	280	8	169
166, 046	Same..... Weighing-scales	July 27, 1875	907	280	8	169
170, 791	Weaver, James E., and William S. Colwell, Pittsburgh, Pa.; said Colwell assignor to said Weaver. Process and apparatus for manufacturing salt or sugar	Dec. 7, 1875	124	40, 41	8	967
	Weaver, J. Myron. (See Covell, Chace & Weaver.)					
164, 115	Weaver, Loyd, and Theodore Decker, Seymour, Conn. Machine for making twist-drills	June 8, 1875	267	91	7	978
	Weaver, Reuben M. (See Connel, James M., assignor.)					
167, 715	Weaver, Theophilus, Harrisburgh, Pa. Dumping-wagon	Sept. 14, 1875	306	97	8	457
158, 551	Weaver, William, Phoenixville, Pa. Lid for stoves	Jan. 5, 1875	173	59	7	33
166, 044	Weaver, William, Greenwich, N. Y. Cultivator	July 27, 1875	905	{ 279 } { 280 }	8	169
170, 319	Same..... Horseshoe-calking vise	Nov. 23, 1875	991	310	8	888
	Webb, Charles B. (See Applegate & Webb.)					
	Webb, Edward. (See Flye & Watson, assignors.)					
159, 870	Webb, J. Burkitt, Urbana, Ill. Drawing-board	Feb. 16, 1875	609	201	7	281
168, 307	Webb, Rodolphus L., assignor to Landers, Frary & Clark, New Britain, Conn. Coffee-mill	Sept. 28, 1875	880	282	8	554
165, 043	Webb, Thomas, Elyria, Ohio. Feed-cutter	June 29, 1875	1149	371	7	1119
	Webb, W. A., et al. (See Mimon, John O., assignor.)					
158, 552	Webber, Alanson P., Saratoga, Ill. Colter	Jan. 5, 1875	173	60	7	33
161, 719	Webber, Charles C., Holyoke, Mass. Centrifugal hydro-extractor	Apr. 6, 1875	108	39	7	585

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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167, 962	Webber, Charles C., Holyoke, assignor to Rice, Barton and Fales Machine and Iron Company, Worcester, Mass. Centrifugal machine.	Sept. 21, 1875	536	172	8	499
162, 440	Webber, Josiah, jr., assignor to Eastern Manufacturing Company, Elizabeth, N. J. Machine for polishing oil-cloth.	Apr. 20, 1875	795	258	7	692
163, 426	Webber, Sumner P., Charlotte, Mich. Coffee-pot.	May 18, 1875	670	214	7	858
167, 545	Webber, Thomas, Chicago, Ill. Dumping attachment for oil-presses.	Oct. 5, 1875	209	68	8	594
169, 500	Same.....Drying apparatus.	Nov. 2, 1875	156	52, 53	8	737
170, 036	Same.....Apparatus for treating blood, tank-offal, &c	Nov. 16, 1875	703	{ 222 } { 223 }	8	842
168, 308	Webber, Thomas, and Charles Stedman, Chicago, Ill. Composition for covering steam-boilers.	Sept. 28, 1875	881	.....	8	554
159, 781	Webber, Thomas E., Pittston, Me. Shaft-tug for harness.	Feb. 16, 1875	527	176	7	270
6, 830	Weber, Charles, West Meriden, Conn., assignor to Newark Tea Tray Company. Table-mat. (Reissue).	Dec. 28, 1875	995	321	8	1106
170, 652	Weber, Herman, New York, N. Y. Rail-joint.	Nov. 30, 1875	1314	415	8	940
167, 716	Weber, John J., Saint Clair, Pa. Game apparatus.	Sept. 14, 1875	308	98	8	457
	Weber, Theodore A. (See Lathrop & Weber.) Same..... same (Reissue.)					
166, 236	Weber, Theodore A., assignor of three-fourths interest to Resolvind Gardner and Lebens W. Lathrop, New York, N. Y. Sewing-machine.	Aug. 3, 1875	46	18	8	205
162, 724	Webster, David G., Parks Corner, Ill. Windmill.	Apr. 27, 1875	1084	344	7	736
162, 982	Webster, Frank D., Philadelphia, Pa. Horse-awning.	May 4, 1875	231	74	7	777
159, 130	Webster Henry, Cassville, Wis. Adjustable cut-off for steam-engines.	Jan. 26, 1875	764	251	7	151
162, 981	Webster, Joel, Brooklyn, assignor to John C. Kelley, New York, N. Y. Sad-iron handle.	May 4, 1875	230	74	7	777
8, 027	Webster, John T., assignor to John and James Dobson, Philadelphia, Pa. Carpet. (Design).	Jan. 26, 1875	.....	.....	7	133
8, 028	Same..... same (Design).	Jan. 26, 1875	.....	.....	7	133
8, 029	Same..... same (Design).	Jan. 26, 1875	.....	.....	7	133
8, 030	Same..... same (Design).	Jan. 26, 1875	.....	.....	7	133
8, 031	Same..... same (Design).	Jan. 26, 1875	.....	.....	7	133
8, 032	Same..... same (Design).	Jan. 26, 1875	.....	.....	7	133
8, 033	Same..... same (Design).	Jan. 26, 1875	.....	.....	7	133
8, 467	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 468	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 469	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 470	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 471	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 472	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 473	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 474	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 475	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 476	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 477	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 478	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 479	Same..... same (Design).	July 13, 1875	.....	.....	8	48
8, 480	Same..... same (Design).	July 13, 1875	.....	.....	8	48
166, 166	Webster, John F., Hamilton, Canada. Metal-screw machine.	July 27, 1875	1026	316	8	166
171, 454	Webster, Joseph H., Saint Louis, Mo. Roll for rolling iron.	Dec. 21, 1875	773	256	8	1069
159, 726	Webster, Joshua B., assignor of two-thirds interest to Marquis D. and Lucien B. King, Genoa, N. Y. Wagon-jack.	Feb. 9, 1875	455	152	7	256
165, 280	Webster, Joshua B., and William A. Dorr, Stockton, and Martin McClenathan, Merced, Cal. Harvester.	July 6, 1875	122	38	8	26
	Webster Loom Company. (See Clow & Webster.)					
160, 489	Webster, Perlee H. (See Clow & Webster.)					
167, 370	Webster, Theodore L., Brooklyn, N. Y. Machine for subsoiling and digging vegetables.	Mar. 2, 1875	210	72	7	379
161, 186	Same..... Car starter and brake.	Aug. 31, 1875	1160	366	8	396
	Webster, Thomas J., Humboldt, Kans. Washing-machine.	Mar. 23, 1875	873	286	7	494
	Webster, William. (See Budel, Mosse & Webster.)					
161, 720	Webster, William, Middletown, Ohio. Paper-bag machine.	Apr. 6, 1875	109	39	7	585
170, 922	Webster, William, Morrisania, and James Wade, New York, N. Y., assignors to Webster Loom Company. Loom for weaving piled fabrics.	Dec. 7, 1875	234	80	8	982
160, 802	Weed, Charles, Boston, Mass. Atomizer.	Mar. 16, 1875	529	171	7	438
164, 888	Weed, James A., Binghamton, N. Y., assignor to H. H. Doubleday, Washington, D. C. Burglar-alarm.	June 22, 1875	998	322	7	1091
169, 214	Weed, James A., Binghamton, N. Y. Burglar-alarm.	Oct. 26, 1875	866	282	8	710
169, 501	Weed, Robert L., New York, N. Y. Cigar-pipe.	Nov. 2, 1875	159	53	8	757
	Weed Sewing Machine Company. (See Carter, James, assignor.)					
8, 326	Weeden, William B., assignor to Weybosset Mills, Providence, R. I. Fancy cassimere (Design).	May 11, 1875	.....	.....	7	783
8, 592	Same..... same (Design).	Aug. 31, 1875	.....	.....	8	364
	Weeden, William N. (See Hallas & Weeden.)					
163, 557	Weeden, William N., assignor to Benedict & Burnham Manufacturing Company, Waterbury, Conn. Drawer-pull.	May 18, 1875	796	252	7	874
164, 622	Same..... Lamp-burner spring.	June 15, 1875	736	241	7	1050
167, 371	Same..... Lamp-socket.	Aug. 31, 1875	1161	366	8	396
167, 963	Same..... Clock-case.	Sept. 21, 1875	537	172	8	499
168, 436	Weedermann, Erich J., Copenhagen, Denmark. Ice-breaking vessel.	Oct. 5, 1875	101	35	8	579
163, 900	Weeks, Abner B., Rockland, Me. Lime-kiln.	July 20, 1875	756	241	8	137
163, 638	Weeks, A. Clarence, New York, N. Y. Lemon-squeezer.	July 13, 1875	497	152	8	85
158, 553	Weeks, George H., assignor of one-half interest to Charles B. Gould, Aurora, N. Y. Mowing-machine.	Jan. 5, 1875	174	60	7	33
163, 558	Weeks, Platt B., and Martin Metcalf, Battle Creek, Mich. Shaft-coupling.	May 18, 1875	797	252	7	874
161, 721	Weeks, Samuel, New Orleans, La. Compound switch for fire-alarm telegraphs.	Apr. 6, 1875	110	39	7	585
165, 281	Same..... Circuit-closer for railway-signals.	July 6, 1875	123	38	8	26
	Wegener, Charles. (See Kruse, Lauritz T., assignor.)					
	Wegagen, Theodore. (See Hipp, Wegagen & Nickel.)					
167, 286	Wegres, William, Evansville, Ind. Chain-pump.	Aug. 31, 1875	1085	341	8	385
161, 369	Weible, William F., Tidionte, Pa. Gas-retort.	Mar. 30, 1875	1057	347	7	526
168, 691	Weich, John, and John Jefferys, New York, N. Y. Folding-cradle.	Oct. 11, 1875	362	119	8	624
	Weidig, John, et al. (See De Beaumont, Alexandre, assignor.)					
	Weidmann & Co., A. (See Fischer, William G., assignor.)					
170, 421	Weidner, William N., Perth Amboy, N. J. Brick-kiln.	Nov. 23, 1875	1083	341	8	901
159, 871	Weightman, James C., Malden, Mass. Gate.	Feb. 16, 1875	6	202	7	281
161, 993	Weikert, John, Indianapolis, Ind. Device for detaching horses from vehicles.	Apr. 13, 1875	365	123	7	736
162, 725	Weil, Leopold, New York, N. Y. Hoop for barrels.	Apr. 27, 1875	1085	341	7	756

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161, 310	Weiland, Harry B., Martinsburgh, W. Va. Sewing-machine	Mar. 23, 1875	995	326	7	509
168, 817	Weinel, Josiah J., Westmoreland County, Pa., assignor of one-half interest to Hiram H. Wray. Mining-machine	Oct. 11, 1875	476	155	8	639
168, 948	Weinig, Paul, Hanau, Prussia, assignor to Frederick W. Wolf, Chicago, Ill. Malt-kiln floor	Oct. 19, 1875	605	201	8	666
169, 934	Weinmar, Louis, Buffalo, N. Y. Apparatus for preserving beer	Nov. 16, 1875	622	193	8	830
161, 846	Weinstock, Simon, New York, N. Y. Basket	Apr. 6, 1875	227	76	7	601
164, 116	Weir, Daniel P., Salem, Mass. Fluid-meter	June 8, 1875	268	92	7	978
171, 073	Weir, Fredric C., Cincinnati, O. Railway-frog	Dec. 14, 1875	394	131	8	1010
158, 448	Weir, John, New York, N. Y. Pulley-block	Jan. 5, 1875	83	29	7	21
166, 167	Same. Egg-carrier	July 27, 1875	1028	316	8	186
164, 623	Weirich, Benedict, assignor to self and Jacob J. Hochstetter, Middlebury, Ind. Windmill	June 15, 1875	737	241	7	1050
160, 291	Weis, John B., Sandusky, Ohio. Beer-cooler	Mar. 2, 1875	31	12	7	353
165, 291	Weis, Wendelin, Saint Paul, Minn. Fastening for egg and fruit box covers	June 29, 1875	1151	371	7	1119
168, 692	Same. Egg-carrier	Oct. 11, 1875	362	119	8	624
158, 768	Weisebrock, Fredric W., Brooklyn, assignor to Henry W. Shepard and Robert Seaman, New York, N. Y. Gas-governor	Jan. 12, 1875	382	130	7	77
170, 137	Weiss, Albert R. (See Stockwell & Weiss.) Weiss, Emanuel, Basle, Switzerland, assignor to Frederick Buxtof, Brooklyn, N. Y. Anti-incrustation compound	Nov. 16, 1875	802		8	855
164, 785	Weiss, Thomas. (See Cunningham, Peter B., assignor.) Wekey, Agnes F. (See Wekey, Sigismund and Agnes F.) Wekey, Sigismund and Agnes F., New York, N. Y. Cylinder washing-machine	June 22, 1875	896	292	7	1079
164, 063	Welch, Alouzo T. (See Maxim, Hiram S., assignor.) Welch, E. B. (See Anders, George L., assignor.) Welch, E. Baker. (See Aldridge, Liberty, assignor.) Welch, Edward P., et al. (See Reynolds, Ransom S., assignor) (Reissue.) Welch, Harlow M., Cowansville, Canada. Culinary steamer	June 1, 1875	196	71	7	957
161, 462	Welch, Herber P., et al. (See Reynolds, Ransom S., assignor) (Reissue.) Welch, James H., et al. (See Reynolds, Ransom S., assignor) (Reissue.) Welch, James S., et al. (See Reynolds, Ransom S., assignor) (Reissue.)	Mar. 30, 1875	1155	373	7	538
165, 193	Welch, Rosia W., et al. (See Reynolds, Ransom S., assignor) (Reissue.)	July 6, 1875	52	15	8	16
167, 964	Weld, George B., Providence, R. I. Caliber-gage	Sept. 21, 1875	538	172	8	499
165, 282	Weld, Henry, Hale, Ill. Windmill attachment	July 6, 1875	124	38	8	26
6, 294	Weld, J. Gardner. (See Mayo, Matthias C., assignor.)	Feb. 16, 1875	733	244	7	297
154, 658	Weldon, Francis, Moniabad, Deccan, India. Apparatus for measuring distances	Jan. 12, 1875	291	97	7	64
162, 726	Weldon, James G., Pittsburgh, Pa. Hot-air furnace (Reissue.)	Feb. 16, 1875	733	244	7	297
167, 617	Weller, John B., Bellbrook, and Finley G. Hopkins, Xenia, Ohio. Curtain-fastening	Jan. 12, 1875	291	97	7	64
167, 717	Weller, Marvin E. (See Lintner, Weller & Kellogg.)	Apr. 27, 1875	1086	344	7	736
170, 633	Welles, Richard J., Saint Joseph, Mo. Umbrella-support	Sept. 14, 1875	308	98	8	457
166, 324	Same. Wrench	Nov. 30, 1875	1315	415	8	940
162, 727	Welles, Richard J., Kenosha, Wis. Countersink	Nov. 30, 1875	1315	415	8	940
162, 727	Wellhouse, George, Akron, Ohio. Grate	Nov. 30, 1875	1279	403	8	935
162, 728	Wellington, Henry, New York, N. Y. Street-lamp (Reissue.)	Aug. 3, 1875	126	39	8	217
165, 964	Wellington, Henry, New York, N. Y. Street-lamp (Reissue.)	Dec. 7, 1875	257	84	8	964
158, 449	Wellman, Alfred C., assignor of one-half interest to E. W. Griffin, Walla-Walla County, Wash. Calculator	Apr. 27, 1875	1086	344	7	736
160, 629	Wellman, Edwin G., Canandaigua, N. Y. Car-seat	July 27, 1875	831	255	8	159
164, 409	Wellman, George O., Salem, Mass. Folding rocking-chair	Jan. 5, 1875	84	29	7	21
169, 321	Wells, Charles, Cincinnati, Ohio. Printing-press	Mar. 9, 1875	344	116	7	407
168, 437	Same. same	June 15, 1875	134	205	7	1035
161, 311	Wells, Charles S. (See Salisbury & Wells.)	Oct. 26, 1875	974	316	8	724
162, 983	Wells, Daniel A., assignor to John A. Bradley. Cheese-protector	Oct. 5, 1875	101	35	8	579
8, 044	Wells, Frederic E., assignor to Wiley & Russell Manufacturing Company, Greenfield, Mass. Screw-threading die	Mar. 23, 1875	996	326	7	509
8, 602	Wells, Frederic E., assignor to Wiley & Russell Manufacturing Company, Greenfield, Mass. Screw-threading die	May 4, 1875	232	75	7	778
8, 863	Wells, George A., assignor to Fuller, Warren & Co., Troy, N. Y. Cooking-stove (Design.)	Feb. 2, 1875			7	181
8, 864	Wells, George A., and Edmund J. Cridge, assignors to Fuller, Warren & Co., Troy, N. Y. Parlor-stove (No. 1. Design.)	Dec. 21, 1875			8	1034
163, 706	Wells, George A., and Nicholas S. Vedder, Troy, and Tobias S. Heister, Lansingburgh, assignors to Fuller, Warren & Co., Troy, N. Y. Cooking-stove (No. 3. Design.)	Dec. 21, 1875			8	1034
168, 361	Wells, George D. (See Gunn & Wells.)	May 25, 1875	938	298	7	900
167, 810	Wells, George H., Nashville, Tenn. Gas-purifier	May 25, 1875	938	298	7	900
169, 663	Wells, Harrison. (See Gunn & Wells.)	Oct. 5, 1875	39	14	8	570
161, 645	Wells, Harvey L., Burlington, Iowa. Automatic cistern cut-off	Sept. 14, 1875	400	128	8	470
159, 466	Wells, Henry M., Toronto, Canada. Window-shade clasp or fastener	Nov. 9, 1875	343	108	8	787
170, 136	Wells, James E., New Milford, Conn. Machine for stretching hat-bodies	Apr. 5, 1875	49	19	7	576
163, 427	Wells, James T., Scott County, Ill. Riding attachment for plows	Feb. 2, 1875	231	75	7	216
162, 874	Wells, Jerome B., Rochester, N. Y. Door-knob fastening	Nov. 16, 1875	801	253	8	855
164, 950	Wells, Joseph L., Philadelphia, Pa. Elastic underlays for printing on glass	Nov. 16, 1875	801	253	8	855
167, 145	Wells, Nathau P., et al. (See Griswold, Lev, assignor.) Wells, Richardson & Co. (See Van Patten, William J., assignor.)	May 18, 1875	670	214	7	858
162, 874	Wells, Solomon, Brownsville, Ky. Washing-machine	May 4, 1875	125	41	7	763
164, 950	Wells, Warren A., et al. (See Reed, William H., assignor.)	June 29, 1875	1073	345	7	1108
167, 145	Wells, William, assignor of one-half interest to G. B. Johnson, Cleveland, Ohio. Auger	Aug. 24, 1875	940	293	8	358
164, 500	Wells, William, Cleveland, Ohio. Trace-fastener	June 15, 1875	635	205	7	1035
162, 441	Wells, William, Salem, Mass. Planing-machine	Apr. 20, 1875	795	259	7	692
164, 624	Welsb, Alonzo T., et al. (See Clough, Theodore, assignor.) Welsb, Thomas W. (See Ford, Westinghouse & Welsb.)	June 15, 1875	635	205	7	1035
164, 500	Welsch, Joseph L., Aullville, Mo. Portable fence	Apr. 20, 1875	795	259	7	692
162, 441	Welter, James K., Chicago, Ill., assignor to James Rayburn and Robert W. King. Corn-planter	June 15, 1875	738	241	7	1050
8, 460	Wemple, Francis H. (See Prawl & Wemple.) Wemyss, Alexander, Philadelphia, Pa., assignor to Jesse Orr, John R. Painter, William Grand, P. W. Nagle, H. C. Posey, William H. Schick, Elijah Bull, Jasper Sheeler, and William M. Stauffer, Reading, Pa. Stove (Design.)	July 6, 1875			8	4
158, 764	Wendel, Conrad, and William Florich, New York, N. Y. Centrifugal evaporator	Jan. 12, 1875	377	128	7	77
170, 320	Wendell, Washington, Orange, Mass. Machine for forming brush-handles	Nov. 23, 1875	992	311	8	888

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167, 206	Wenell, Frank O., Plainfield, Ill. Seed-planter.....	Aug. 31, 1875	1018	316	8	375
170, 422	Wengler, Robert M., Freiberg, Saxony, assignor of one-half interest to Francis A. Lowe, Washington, D. C. Method and apparatus for classifying ores.....	Nov. 23, 1875	1084	341	8	901
165, 639	Wenk, Theodore, et al. (See Anthes, Frederick, assignor.) Wenmackers, Jerome, Philadelphia, Pa. Aquarium..... Wenrich, D. K. (See Hamilton, Joseph A., assignor.) Wentworth, Charles H. (See Wood & Wentworth.) Wentworth, George W. (See Archer, Horace S., assignor.)	July 13, 1875	497	152	8	86
159, 727	Wentworth, James H., Boston, Mass. Cooking-stove.....	Feb. 9, 1875	456	152	7	256
163, 828	Wenzel, George C., Newburgh, N. Y. Apparatus for variegating soap.....	May 25, 1875	1041	330	7	915
159, 872	Weuzel, Herman, New York, N. Y. Parlor-fountain.....	Feb. 16, 1875	611	202	7	281
159, 873	Werden, Cyrus A., assignor to self and William B. Werden, Waukegan, Ill. Fruit-gatherer.....	Feb. 16, 1875	611	{ 202 203 }	{ 7 7 }	{ 281 281 }
167, 207	Werden, William B. (See Werden, Cyrus A., assignor.)	Aug. 31, 1875	1019	317	8	375
162, 584	Werner, August F., Rochester, N. Y. Window-bead fastener.....	May 4, 1875	233	75	7	778
164, 786	Werni, Pelag, Philadelphia, Pa. Compound for preserving wood.....	June 22, 1875	898	.....	7	1080
160, 373	Werni, Pelag, assignor of one-half interest to E. Lucien Richie, Philadelphia, Pa. Car-bureting apparatus.....	Nov. 9, 1875	554	173	8	814
163, 392	Wernjak, Edward, Monce, Ill. Process of manufacturing whisky.....	July 6, 1875	239	.....	8	41
167, 718	Wernimout, George, Dubuque, Iowa. Car-coupling.....	Sept. 14, 1875	309	98	8	457
164, 240	Wertheim, Joseph, Frankfort-on-the-Main, Prussia. Ship's furniture to prevent sea-sickness.....	June 8, 1875	377	128	7	993
163, 283	Wertheim, Joseph, Frankfort-on-the-Main, Germany. Automatic feed-water regulator.....	July 6, 1875	126	38	8	26
160, 373	Wertman, Daniel K., Shenandoah, Pa. Revolving rack for holding stockings.....	Mat. 2, 1875	102	37	7	363
158, 450	Werts, Henry W. (See Peutz, Levi, assignor.)	Jan. 5, 1875	84	29	7	21
163, 522	Werts, William, Camden, N. J. Pitch-bar.....	July 13, 1875	366	115	8	69
160, 043	Wescott, Edwin J., Hyde Park, assignor to P. R. Tripp, Boston, Mass. Jig-saw.....	Feb. 23, 1875	767	259	7	312
164, 787	Wescott, Edwin J., Hyde Park, and William H. McGregor, Braintree, Mass. Scroll-sawing machine.....	June 22, 1875	898	292	7	1080
162, 510	Wessar, Andrew, Dubuque, Iowa, and Peter W. Cornelius, Minneapolis, Minn. Foot-mat.....	Apr. 27, 1875	880	282	7	711
160, 374	Wessman, Martin F., Cherry Hill, N. J. Mechanical telegraph-sounder.....	Mar. 2, 1875	102	37	7	363
158, 874	Wesson, Daniel B., Springfield, Mass. Revolving fire-arm.....	Jan. 19, 1875	509	168	7	109
163, 036	Same..... same.....	May 11, 1875	300	96	7	793
165, 965	West and Lee Game and Printing Company. (See West, Presbury, assignor.) West, Augustine C., Chicago, Ill., assignor to Isaac R. Andrews and Dillwyn R. Jones. Sewing-machine caster.....	July 27, 1875	832	256	8	159
170, 321	West, Charles A., Richmond, Va. Safety car-heater.....	Nov. 23, 1875	993	311	8	888
163, 139	West, Daniel K., Kentish Town, England. Steam-engines.....	June 29, 1875	1235	307	7	1131
159, 131	West, George. (See West, William, assignor.)	Jan. 26, 1875	765	252	7	151
160, 133	West, Henry T., Philadelphia, Pa. Lawn-mower.....	Feb. 23, 1875	861	255	7	323
160, 490	West, John, Minneapolis, Minn. Car-coupling.....	Mar. 2, 1875	211	73	7	379
6, 636	West, John, Maidstone, Great Britain. Charger for gas-retorts..... (Reissue.)	Sept. 7, 1875	204	64	8	434
163, 344	West, John J., Chicago, Ill. Gas-stove.....	May 18, 1875	603	193	7	849
160, 292	Same..... same.....	.....	.....	.....	.....	.....
161, 647	West, John W., Boston, assignor of one-half interest to Augustus Seaver, Milford, Mass. Spooling-machine.....	Mar. 2, 1875	32	12	7	353
161, 647	West, John W., Boston, Mass. Spooling-machine.....	Apr. 6, 1875	50	19	7	576
161, 080	West, Joseph I. (See Rose, Israel M., assignor.) West, Joseph J. (See Rose, Israel M., assignor)..... (Reissue.) West, Presbury, assignor to West & Lee Game and Printing Company, Worcester, Mass. Croquet apparatus.....	Mar. 23, 1875	775	255	7	481
168, 859	West, Samuel A. (See Goodwin & West.)	Oct. 19, 1875	524	172	8	655
161, 646	West, Thomas D., Cleveland, Ohio. Sad-iron.....	Apr. 6, 1875	51	19	7	576
163, 284	West, True, assignor to George H. Vincent, Boston, Mass. Car-seat.....	July 6, 1875	127	39	8	26
159, 990	West, William, assignor of one-half interest to George West, Toronto, Canada. Bedstead.....	Feb. 16, 1875	739	239	7	295
160, 248	West, William N., Milford, Mich. Corn-harvester.....	Feb. 23, 1875	960	316	7	337
164, 408	Westbrook, Abraham D., Astoria, N. Y. Interfering boot for horses.....	June 15, 1875	556	181	7	1025
169, 215	Westcott, Caroline, Chicago, Ill. Chemise.....	Oct. 26, 1875	846	{ 282 283 284 285 }	{ 8 8 8 8 }	{ 710 710 711 711 }
169, 216	Westcott, Charles S., Elizabeth, N. J., assignor to Westcott Type Setting Company, New York, N. Y. Type casting and setting machine.....	Oct. 26, 1875	869	{ 282 283 284 285 }	{ 8 8 8 8 }	{ 711 711 711 711 }
167, 592	Westcott, Daniel L., Fort Wayne, Ind. Carbureter.....	Sept. 7, 1875	189	59	8	432
167, 811	Same..... same.....	Sept. 14, 1875	400	129	8	470
171, 201	Westcott, George N., Cortlandville, N. Y. Lathe for turning irregular forms.....	Dec. 14, 1875	225	173	8	1027
168, 546	Westcott, John, Tocoi, Fla. Methods of using carbonic-acid gas as a motive-power.....	Oct. 5, 1875	210	69	8	594
169, 322	Same..... Elevated railway.....	Oct. 26, 1875	974	316	8	724
169, 606	Same..... same.....	Nov. 2, 1875	567	87	8	770
159, 929	Westcott, John H., Oneida, N. Y. Scroll-chuck.....	Feb. 16, 1875	720	239	7	295
166, 831	Westcott, Nathaniel W., Providence, R. I. Weft-thread knitting-machine.....	Aug. 17, 1875	623	194	8	305
165, 640	Westcott Type Setting Company. (See Westcott, Charles S., assignor.)	July 13, 1875	498	152	8	86
159, 874	Westcott, William, Syracuse, N. Y. Heel-polishing machine.....	Feb. 16, 1875	612	203	7	2-1
163, 829	Westerfield, William, New York, N. Y. Street-sprinkler.....	May 25, 1875	1042	{ 330 331 }	{ 7 7 }	{ 915 915 }
163, 904	Western Electric Manufacturing Company. (See Lewis, Charles W., assignor) (Design.) Western Union Telegraph Company. (See Stearns, Joseph B., assignor)..... (Reissue) Westgate, Joseph D., assignor to self and Ann E. Budwell, Lynn, Mass. Machine for cutting button-holes in cloth, leather, &c.....	June 1, 1875	56	19	7	938
159, 533	Westinghouse, George, jr. (See Ford, Westinghouse & Welsh.) Same..... (See Perkins, Charles H., assignor.)	Feb. 9, 1875	295	95	7	232
159, 722	Westinghouse, George, jr., Pittsburgh, Pa. Pneumatic pump.....	Feb. 16, 1875	528	176	7	270
160, 803	Same..... Steam-engine-valve gear.....	Mar. 16, 1875	530	172	7	449
162, 782	Same..... Fluid-ejector.....	May 4, 1875	43	14	7	752
166, 489	Same..... Governor for steam-engines.....	Aug. 10, 1875	306	92	8	249
168, 119	Same..... Vacuum-brake-pipe coupling.....	Sept. 28, 1875	713	225	8	530
168, 359	Same..... Ejector attachment for vacuum-brakes.....	Oct. 5, 1875	35	t3, 14	8	509
170, 138	Same..... Air-valves for power-brakes.....	Nov. 16, 1875	803	254	8	855
161, 722	Westland, Charles S., assignor of one-half interest to Allen Fire Department Supply Company, Providence, R. I. Hose-nozzle.....	Apr. 6, 1875	111	39, 40	7	585
	Weston, Chauncey C., Washington, D. C. Incubator.....	Apr. 6, 1875	111	39, 40	7	585

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166, 433	Weston, Edward, New York, N. Y., assignor to Stevens, Roberts & Havell, Newark, N. J. Manufacture of anodes for nickel plating.....	Aug. 3, 1875	237	.....	8	233
162, 442	Weston, Emile R., assignor to Joseph P. Biss, Bangor, Me. Photograph-burnisher.....	Apr. 20, 1875	796	259	7	692
164, 6, 5	Same..... Lubricator for photographs.....	June 15, 1875	739	.....	7	1050
165, 140	Same..... Burnisher for photographs.....	June 29, 1875	1236	398	7	1131
159, 534	Weston, John, assignor to A. Frye & Co., Sulphur Springs, Ohio. Tag-buckle.....	Feb. 9, 1875	296	95	7	232
170, 974	Westwater, William, Pittsburgh, Pa. Relief valve for cylinders.....	Dec. 14, 1875	307	102	7	919
159, 234	Westwick, James B., assignor of one-half interest to R. J. Edwards, Galena, Ill. Pipe-wrench.....	Jan. 26, 1875	861	281	7	165
159, 783	Westwood, John T., Wheeling, W. Va., assignor to self and Caleb D. Devinney. Cut-nail machine.....	Feb. 16, 1875	529	176	7	270
168, 818	Wetherbee, Albert C., Hammon, N. J. Shoemaker's knife..... (See Wetherill, Robert, assignor.)	Oct. 11, 1875	477	155	8	640
159, 728	Wetherill, Robert, assignor to Robert Wetherill & Co., Chester, Pa. Feed-water heater.....	Feb. 9, 1875	457	153	7	256
167, 803	Wetherill, William C., Youngstown, Ohio. Derrick.....	Sept. 21, 1875	462	146	8	487
170, 975	Wetherwax, Eli P. (See Tower, George E., assignor.)					
159, 975	Wetmore, Albert S., assignor to Jos. E. Lavv, Cleveland, Ohio. Suppository-mold.....	Dec. 14, 1875	308	102	8	999
160, 491	Wetmore, George W., Sturgis, Mich. Molding-machine.....	Mar. 2, 1875	212	73	7	379
160, 492	Wettstein, John, deceased, by Josephine Wettstein, administratrix, Highland, Ill. Cigar machine..... (See Wettstein, John.)	Mar. 2, 1875	213	74	7	379
162, 326	Wey, Herman C., Hiawatha, Kans. Cut-off for shot-boxes.....	Apr. 20, 1875	650	222	7	678
	Weybosset Mills. (See Bosworth, Frederick S., assignor)..... (Design.)					
	Same..... (See Walton, William A., assignor)..... (Design.)					
	Same..... (See Weedon, William B., assignor)..... (Design.)					
165, 772	Weyhe, Wilhelm, Bremen, Germany. Rotary engine.....	July 20, 1875	627	193	8	130
167, 812	Whaley, Barnett B., Brooklyn, N. Y. Alphabet-exhibitor.....	Sept. 14, 1875	402	129	8	471
168, 201	Wharton, John C., Nashville, Tenn. Drait-tube for soda-water.....	Sept. 28, 1875	791	251	8	541
	Wheatley, William M., et al. (See Donnellan, Charles E., assignor.)					
166, 168	Wheatstone, Charles, and John M. A. Stroh, London, England. Automatic telegraph.....	July 27, 1875	1029	317	8	186
166, 169	Same..... Magnet for electric telegraph.....	July 27, 1875	1030	317	8	187
	Whedon, Albert L. (See Swartout & Whedon.)					
	Wheeler, Abraham. (See Shipley & Wheeler.)					
	Wheeler & Wilson Manufacturing Company. (See Kingman, Samuel C., assignor.)					
	Same..... (See Thompson, Rosewell, assignor.)					
	Wheeler, Calch, et al. (See Adgate, Joseph J., assignor.)					
160, 493	Wheeler, Christopher O., and Anthony Ladrey, Chicago, Ill. Seal-lock.....	Mar. 2, 1875	214	74	7	379
159, 875	Wheeler, Cyrenus, jr., Auburn, N. Y. Harvester-dropper.....	Feb. 16, 1875	613	203	7	281
162, 328	Same..... Pitman-holder for harvesting-machines.....	Apr. 20, 1875	682	222	7	678
163, 287	Wheeler, Cyrenus, jr., and Henry J. Case, Auburn, N. Y.; said Case assignor to said Wheeler. Harvester-seat.....	May 11, 1875	531	172	7	824
163, 707	Wheeler, Cyrenus, jr., Auburn, N. Y. Journal-bearing and pitman-connection.....	May 25, 1875	938	298	7	900
163, 708	Same..... Harvester-rake.....	May 25, 1875	939	{ 298 } 209	7	901
163, 769	Wheeler, Cyrenus, jr., and Henry J. Case, Auburn, N. Y.; said Case assignor to said Wheeler. Mowing-machine.....	May 25, 1875	941	299	7	901
165, 460	Wheeler, Cyrenus, jr., Auburn, N. Y. Harvester.....	July 13, 1875	330	97, 98	8	61
165, 461	Same..... Mowing-machine.....	July 13, 1875	334	98	8	61
164, 241	Wheeler, Dwight, Bridgeport, Conn. Sewing-machine guide for banding hats.....	June 8, 1875	377	128	7	993
160, 630	Wheeler, Edwin G., Winoona, Minn. Pocket-book safety attachment.....	Mar. 9, 1875	345	117	7	407
6, 551	Wheeler, Eli, Elkhart, N. Y., assignor, by mesne assignments, to George M. Pullman, Chicago, Ill. Sleeping-car..... (Reissue.)	Sept. 21, 1875	662	210	8	516
162, 729	Wheeler, Elisha H., Memphis, Mo. Axle.....	Apr. 27, 1875	1088	345	7	737
163, 122	Wheeler, Franklin C., Saugat Joseph, Mo. Folding table.....	May 11, 1875	374	122	7	804
160, 631	Wheeler, George B., New York, N. Y. Spice-box.....	Mar. 9, 1875	345	117	7	407
	Wheeler, Henry N., et al. (See Betis, Lewis F.)					
6, 307	Wheeler, Jesse B., Bolton, Mass., assignor, by mesne assignments, to James A. Maloney, Georgetown, D. C. Grain-drier..... (Reissue.)	Feb. 23, 1875	971	320	7	339
167, 372	Wheeler, Marshal, Big Rapids, Mich. Mainspring attachment for watches.....	Aug. 31, 1875	1162	366	8	396
170, 423	Same..... Solar chronometer.....	Nov. 23, 1875	1085	341	8	901
165, 774	Wheeler, Phillip H., Rockford, Ill. Watch-maker's box.....	July 20, 1875	629	193	8	120
165, 285	Wheeler, Roscoe B., assignor of one-half interest to Henry Larber, Niles, Mich. Stave-basket..... (Extension.)	July 6, 1875	128	39	8	23
	Wheeler, Sarah J., New Britain, Conn. Curry-comb.....	Jan. 21, 1875	.....	.....	7	222
165, 045	Wheeler, Shepherd H., Niles, Mich. Stave-basket.....	June 29, 1875	1151	371	7	1119
169, 217	Wheeler, Shepherd H., Peru, Ind. Basket-bottom.....	Oct. 26, 1875	876	285	8	711
158, 659	Wheeler, Thomas N., Blue Earth City, Minn. Quilting-frame.....	Jan. 12, 1875	591	97, 98	7	65
163, 773	Wheeler, William F., Worcester, Mass. Fertilizer-distributor.....	July 20, 1875	628	193	8	120
159, 729	Wheclock, Jerome, Worcester, Mass. Slide-valve seat.....	Feb. 9, 1875	458	153	7	256
165, 901	Same..... Lubricator for steam-engines.....	July 20, 1875	757	232	8	137
164, 758	Whedlock, Lewis M., Yorkshire Centre, N. J. Farm-fence.....	June 22, 1875	899	292	7	1080
171, 332	Whelan, James, Zanesville, Ohio. Apparatus for preserving corpses and other organic matter from decomposition..... (Design.)	Dec. 21, 1875	662	{ 218 } 219	8	1053
	Whidden, Albert H. (See Vaughn, Joseph W., assignor)					
164, 889	Whidden, Hosea H., South Abington, Mass. Shoe-nail.....	June 22, 1875	999	322	7	1092
168, 850	Whipple, Alfred B., Auburn, N. Y. Mail-bag catcher.....	Oct. 19, 1875	525	172	8	655
168, 851	Same..... same.....	Oct. 19, 1875	525	172	8	655
	Whipple, Chandler W. (See Whipple, Joe L., assignor.)					
	Whipple, Charles. (See Carroll, Thomas J., assignor.)					
166, 047	Whipple, Charles E., North Charleston, S. H. Crank-motion.....	July 27, 1875	908	280	8	170
164, 648	Whipple, Charles E., and Rapids, Wis. Wagon hound and tongue.....	Apr. 6, 1875	52	19	7	576
161, 649	Same..... Clothes-frame.....	Apr. 6, 1875	53	20	7	576
160, 980	Whipple, Ira, Mystic River, Conn. Clothes-drier.....	Mar. 16, 1875	677	222	7	459
6, 477	Whipple, James T., Oak Park, Ill. Pump for deep wells..... (Reissue.)	June 1, 1875	223	77	7	960
166, 048	Same..... Pump for tubular wells.....	July 27, 1875	908	281	8	170
160, 981	Whipple, Joe L., assignor to self and Chandler W. Whipple, Paw Paw, Mich. Wrench.....	Mar. 16, 1875	678	223	7	459
164, 626	Whipple, Lyman W., New York, N. Y. Napped fabric.....	June 15, 1875	739	242	7	1050
	Whistler, Thomas D. (See Peinans & Whistler.)					
	Whitacre, George W. (See Pease & Whitacre.)					
158, 765	Whitaker, Joseph, Woonsocket, R. I. Lubricating-box.....	Jan. 12, 1875	378	129	7	77
166, 174	Whitaker, S. mud, Reading, Pa. Device for adjusting mill stones and spindles.....	July 27, 1875	1035	318	8	187
159, 236	Whitcomb, Francis N., and David Rawson, deceased, W. Ellery Davis, and Mary J. Rawson, administrators, Belmont, N. Y. Head-block for saw-mills.....	Jan. 26, 1875	862	281	7	165
169, 982	Whitcomb, Francis N., Amity, N. Y. Head-block for saw-mills.....	Mar. 16, 1875	678	223	7	460
160, 983	Same..... same.....	Mar. 16, 1875	681	{ 223 } 221	7	460



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166, 170	Whitecomb, Francis N., Amity, and David Rawson, deceased, W. Ellery Davis, and Mary J. Rawson, administrators, Belmont, N. Y. Circular-saw mill.....	July 27, 1875	1031	317	8	187
160, 984	Whitcomb, John B., Farmer City, Ill. Unloading and dumping grain.....	Mar. 16, 1875	682	224	7	460
	Whitcomb, John B., et al. (See Ballou, George F., assignor.)					
	Whitcomb, Le Grand. (See Turner, George, assignor.)					
	Whitcomb, William W. (See Brackett & Whitcomb)..... (Reissue.)					
158, 554	White, William W., Boston, Mass. Leak-stopper for hose.....	Jan. 5, 1875	176	61	7	33
161, 187	White, Albert C., Brooklyn, N. Y. Method of enameling moldings.....	Mar. 23, 1875	574	266	7	494
171, 455	Same..... Mode of dressing enamelled moldings.....	Dec. 21, 1875	774	256	8	1069
161, 650	White, Albert E., assignor to Henry E. Moore, Chicago, Ill. Box-nailing machine.....	Apr. 6, 1875	54	20	7	577
165, 393	White, Alexander, assignor of one-half interest to Alexander H. Hammond, Rock Island, Ill. Parlor cook-stove.....	July 6, 1875	240	72	8	41
	White, Ansel B. (See White, Edward E., assignor.)					
162, 128	White, Charles A., Philadelphia, Pa. Dental pot.....	Apr. 13, 1875	483	159	7	646
	Same..... Dental flask.....			160		
162, 129	White, Edward D. (See Stanley, Ira N., assignor.)	Apr. 13, 1875	484	160	7	646
162, 730	White, Edward E., Oakland City, assignor of one-half interest to Ansel B. White, Lynnville, Ind. Machine for making splints.....	Apr. 27, 1875	1089	345	7	737
	White, Elisher J. (See Bloss & White.)					
168, 821	White, Ellen, Joliet, Ill. Portable fire-place.....	Oct. 11, 1875	479	156	8	640
163, 905	White, Eugene A., Boston, Mass. Folding music-stand.....	June 1, 1875	56	19	7	938
163, 123	White, Frederic F., Stacyville, Iowa. Harvester.....	May 11, 1875	374	122	7	804
166, 668	White, George H., Cleveland, Ohio. Machine for welding tubing.....	Aug. 10, 1875	459	141	8	272
164, 627	White, George W., Malden, Mass. Hot-air furnace.....	June 15, 1875	740	242	7	1050
163, 125	White, George W., and Walter I. Leary, Edenton, N. C. Clock-escapement.....	May 11, 1875	377	122	7	804
165, 462	White, George W., assignor to James M. Thompson, San Francisco, Cal. Ore-concentrator.....	July 13, 1875	336	98	8	61
	White, Gilman. (See Burr, James H., assignor.)					
166, 910	White, Hartshorn, and Morris Levy, Phillipsburgh, N. J. Exhaust-nozzle.....	Aug. 17, 1875	701	218	8	315
158, 875	White, Henry A., Hamilton, Canada. Damper.....	Jan. 19, 1875	501	168	7	109
166, 171	White, Henry J., Green Bay, Wis., assignor to James V. Hiddleson, Chicago, Ill. Dried-fruit loosener.....	July 27, 1875	1032	318	8	187
166, 437	White, Henry K., assignor to J. Estey & Co., Brattleborough, Vt. Reed-organ.....	Aug. 3, 1875	240	73	8	233
6, 812	White, Hiram W., Oskaloosa, Iowa, assignor to Lyon & Healey, Chicago, Ill. Chin-rest for violins..... (Reissue.)	Dec. 21, 1875	786	260	8	1070
171, 541	White, Hiram W., Oskaloosa, Iowa, assignor to George W. Lyon and Patrick J. Healey, Chicago, Ill. Chin-rest for violins.....	Dec. 28, 1875	875	286	8	1091
168, 820	White, Hiram W., Anderson, Ind. Violin.....	Oct. 11, 1875	478	156	8	640
159, 991	White, Hugh, assignor of two-thirds interest to C. H. Fargo & Co., Chicago, Ill., and John Mundell & Co., Philadelphia, Pa. Shoe-tip.....	Feb. 16, 1875	721	240	7	296
167, 593	White, Isaac, Cedar Rapids, Iowa. Ticket-case.....	Sept. 7, 1875	190	59	8	433
163, 710	White, James, Cleveland, Ohio. Helical-cone suction-fan.....	May 25, 1875	942	299	7	901
171, 333	White, J. Atwood, assignor of one-half interest to Samuel B. Dorlan, Dorlan's Mills, Pa. Pipe-wrench.....	Dec. 21, 1875	664	219	8	1054
165, 394	White, John G., Charlotte, Mich. Blind-slat adjuster.....	July 6, 1875	242	73	8	41
170, 139	White, John T., Arlington, Mass. Calking vessels.....	Nov. 16, 1875	504	254	8	855
	White, John W. (See Farmer, James C., assignor.)					
8, 427	White, Joseph, Philadelphia, Pa. Bird-house..... (Design)	June 22, 1875			7	1057
162, 731	Same..... Globe-holder.....	Apr. 27, 1875	1090	345	7	737
168, 819	White, Joseph J., New Lisbon, N. J., assignor to C. M. Crandall & Co., Montrose, Pa. Tag.....	Oct. 11, 1875	477	156	8	640
166, 571	White, Joseph W., Weymouth, Mass. Machine for cutting fan-sticks.....	Aug. 10, 1875	372	114	8	260
168, 071	White, J. Spence, Prescott, Wis. Fly-trap.....	Sept. 21, 1875	654	207	8	515
170, 792	White, Leonard A., and George W. Lewin, Dighton, Mass. Register for stoves.....	Dec. 7, 1875	126	42	8	967
8, 571	White, Le Roy S., assignor to Brown & Brothers, Waterbury, Conn. Handle of forks and spoons..... (Design)	Aug. 17, 1875			8	281
164, 951	White, Lewis B., assignor to self and S. R. White, Norfolk, Va. Plow.....	June 29, 1875	1073	346	7	1108
164, 952	Same..... same.....	June 29, 1875	1075	346	7	1109
164, 890	White, Martin E. B., assignor of one-half interest to James Martin, Albany, N. Y. Cartridge-box.....	June 22, 1875	999	323	7	1092
165, 286	White, Otis C., Hopkinton, Mass. Head-rest.....	July 6, 1875	129	39	8	26
169, 873	White, Peter, Saint Louis, Mo. Compression-cock.....	Nov. 9, 1875	555	173	8	814
162, 208	White, Rollin, Lowell, Mass. Revolving fire-arm.....	Apr. 20, 1875	572	188	7	665
166, 173	Same..... same.....	July 27, 1875	1034	318	8	187
171, 494	White, Samuel, Eau Claire, Wis. Head-block for saw-mills.....	Dec. 28, 1875	832	273	8	1085
	White, Samuel S. (See Bishop, Joaquin, assignor.)					
	Same..... (See Buckingham, Starr & White.)					
	Same..... (See Cogswell, Thomas, assignor.)					
	Same..... (See Cushing, George H., assignor.)					
	Same..... (See Dean, James C., assignor)..... (Reissue.)					
	Same..... (See Demorest, W. Jennings, assignor)..... (Reissue.)					
	Same..... (See Engle, Stephen D., assignor.)					
	Same..... (See Evans, William W., assignor.)					
	Same..... same..... (Reissue.)					
	Same..... (See Gilbert, John W., assignor.)					
	Same..... (See Gray, Elisha, assignor.)					
	Same..... (See Green, George F., assignor.)					
	Same..... (See Green & White.)					
	Same..... (See Heindsmann, Ferdinand, assignor)					
	Same..... (See Hickman, Francis, assignor.)					
	Same..... (See Newbrough, John B., assignor.)					
	Same..... (See Rehffuss, George, assignor.)					
	Same..... (See Ryder, Edward P., assignor.)					
	Same..... (See Starr & White.)					
	Same..... (See Starr, Eli T., assignor.)					
	Same..... (See Williams, John A. B., assignor.)					
8, 193	White, Samuel S., Philadelphia, Pa. Dental-tool stand..... (Design)	Mar. 2, 1875			7	345
167, 209	Same..... Dental drill.....	Aug. 31, 1875	1020	317	8	375
169, 753	Same..... Dental polishing-tool.....	Nov. 9, 1875	436	138	8	799
	White, S. R. (See White, Lewis B., assignor.)					
170, 457	White, Stillman, Providence, R. I. Hose-coupling.....	Nov. 30, 1875	1130	357	8	916
	White, Sylvanus. (See Crandall, Jesse A., assignor.)					
164, 064	White, Thomas, Waynetown, Ind. Extension-table.....	June 1, 1875	197	71	7	957
167, 594	White, Thomas, Quincy, Ill. Heating-stove.....	Sept. 7, 1875	191	60	8	431
168, 438	White, Thomas F., New York, N. Y. Dead-cart.....	Oct. 5, 1875	102	35	8	560

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162, 784	White, Willard M., Boston, Mass. Head-rest	May 4, 1875	46	14, 15	7	753
167, 419	White, William E., assignor to self and William Lindley, Birmingham, Conn. Barrel-bong	Sept. 7, 1875	37	11	8	411
165, 141	White, William H. (See Bots & White.) White, William H., Brooklyn, N. Y., assignor of two-thirds interest to Charles H. Neilson and Henry M. Martin. Scrubber and condenser for illuminating-gas	June 29, 1875	1236	398	7	1131
168, 693	White, William W., New York, N. Y. Key-fastener	Oct. 11, 1875	363	119	8	624
169, 669	Whitcar, Thomas J., Philadelphia, Pa. Anchor	Oct. 19, 1875	719	237	8	682
166, 435	Whitehead, John W., Saco, Me. Buffer for mule-carriages	Aug. 3, 1875	239	73	8	233
159, 487	Whitehead, William E., et al. (See Labounty, Leonard J., assignor.) Whitehead, William E., Mills Plattin, England, and Abel T. Atherton, Lowell, Mass. Beater for cotton-openers, &c	Feb. 2, 1875	232	75	7	216
160, 558	Whitehead, William E., Miles Plating, England, and Abel T. Atherton, Lowell, Mass. Cotton opener and lapper	Mar. 9, 1875	284	96	7	398
166, 172	Whitchill, Robert, New York, N. Y. Sewing-machine	July 27, 1875	1033	318	8	187
166, 438	Whitehouse, Thomas, Somerville, assignor to American Tube Works, Boston, Mass. Tube-drawing mandrel	Aug. 3, 1875	240	73	8	233
162, 783	Whitehouse, William A. (See Hunt & Whitehouse)					
161, 723	Whiteley, Joseph, Dunlap, Iowa. Field-machine	May 4, 1875	45	14	7	753
169, 874	Whiteley, William N., Springfield, Ohio. Harvester-rake	Apr. 6, 1875	112	40, 41	7	585
170, 613	Same.....Harvester	Nov. 9, 1875	556	174	8	814
	Same.....Harvester rake	Nov. 30, 1875	1280	404	8	935
163, 124	Whitmore, Albert O. (See Hall, Gordon W., assignor.) Whitescarver, John S. and William C., Pontiac, Ill. Excavator	May 11, 1875	375	122	7	804
163, 428	Whitescarver, William C. (See Whitescarver, John S. and William C.) Whiteside, Addison H., Onarga, Ill. Harrow	May 18, 1875	671	215	7	858
170, 923	Whiteside, Joel G. (See Bowen & Whiteside.) Whiteside, Maria E. (See Wolfrom, Eli J., assignor.)					
163, 126	Whiteside, Maria E., Polo, Ill. Dish-washer	Dec. 7, 1875	235	81	8	982
166, 434	Whiteside, Saronel M., and Amos C. Holliday, Wheeling, W. Va. Coal-holder	May 11, 1875	378	123	7	804
168, 070	Whiting, Andrew F., Crestline, Ohio. Reversible latch	Aug. 3, 1875	238	72	8	233
171, 074	Same.....Seal-lock	Sept. 21, 1875	653	207	8	515
170, 068	Whiting, George B., Washington, D. C. Engine for twin-screw propellers	Dec. 14, 1875	395	131	8	1010
170, 424	Whiting, James M., Providence, R. I., assignor of one-half interest to Walter Taber, Acushnet, Mass. Sad-iron	Feb. 23, 1875	811	266	7	315
170, 500	Whiting, James R., New York, and William A. Lawrence, Springfield, L. I., N. Y. Apparatus for the use and recovery of vaporized solvents	Nov. 23, 1875	1086	342	8	901
165, 464	Whiting, John L., Boston, Mass. Apparatus for securing handles to brushes	Nov. 30, 1875	1172	370	8	932
162, 443	Whiting, Joseph E., Hartford, Pa. Saw-set	July 13, 1875	318	99	8	61
	Whiting, Lorain C., East Saginaw, Mich. Piano-forte pedal attachment	Apr. 20, 1875	197	259	7	692
159, 237	Whiting Manufacturing Company. (See Osborne, Charles, assignor) (Design.) Whiting, Philip F. (See Carson & Whiting.)					
6, 599	Whiting, Riley, Berea, Ohio. Cream-saver for reciprocating churns	Jan. 26, 1875	863	281	7	165
159, 730	Whiting, William, deceased, by William G. Russell and Abraham Firth, executors, Boston, Mass., and assignors to Edwin T. Holmes. Electro-magnetic house alarm. (Re-issue)	Aug. 17, 1875	711	{ 221 222 }	8	317
166, 436	Whiting, Xury, Trenton, Wis. Harness-hanging frame	Feb. 9, 1875	459	153	7	256
158, 613	Whitlatch, Isaac J., assignor of one-half interest to Alonzo A. Morrison, Lexington, Ind. Reciprocating churn-dasher	Aug. 3, 1875	239	73	8	233
170, 426	Whitlock, Charles. (See Tappan, William H., assignor.) Whitlock, Lewis L., Brooklyn, N. Y. Elevator	Jan. 12, 1875	246	83	7	59
158, 766	Whitman, David S., Reading, Pa. Beer-pump	Nov. 23, 1875	1088	342	8	901
169, 935	Whitman, Josiah A. (See Hare, James, assignor.) Whitman, Lorenzo F., Maconh, Ill. Wagon-bolster	Jan. 12, 1875	379	129	7	77
163, 711	Whitman, Rodney S., et al. (See Sedgwick, Alonzo and Edwin H., assignors.) Whitman, Stephen F., Philadelphia, Pa. Candy-mixing machine	Mar. 2, 1875	215	74	7	380
8, 568	Same.....Machine for casting confectionery	Nov. 16, 1875	623	193	8	830
6, 711	Whitman, Walter W., et al. (See Sedgwick, Alonzo and Edwin H., assignors.) Whitman, William H., Scranton, Pa. Potato and seed planter	May 25, 1875	943	299	7	901
8, 711	Whitman, William S., Bangor, Me. Range (Design.) Whitmore, Albert D., Housatonic, Mass., assignor to Edward W. Vaill. Folding chair. (Re-issue)	Aug. 17, 1875			8	281
160, 985	Whitmore, George E., assignor to New Haven Folding Chair Company, New Haven, Conn. Folding chair	Oct. 19, 1875	740	242	8	684
167, 373	Same.....Carriage-top	Mar. 16, 1875	683	224	7	460
158, 555	Whitmore, Joseph M., Valparaiso, Ind. Nut-lock	Aug. 31, 1875	1164	366	8	396
170, 425	Whitner, Mary A. E., Philadelphia, Pa. Stereoscope	July 20, 1875	562	171	8	110
165, 463	Whitney, Andrew J., Sandusky, Iowa. Submarine rock-chisel	Jan. 5, 1875	177	61	7	33
163, 129	Whitney, Baxter D., Winchendon, Mass. Band sawing-machine	Nov. 23, 1875	1087	342	8	901
165, 902	Whitney Carriage Company, F. A. (See Whitney, Francis W., assignor.) Whitney, Edward H., Cambridge, assignor to Dover Stamping Company, Boston, Mass. Match safe	July 13, 1875	337	98, 99	8	61
150, 734	Whitney, Edwin K., Magog, Canada, assignor to George M. and Frank H. Morton, Chicopee, Mass. Hay-loader	Oct. 26, 1875	800	259	8	700
160, 632	Whitney, Eli. (See Connor, David, assignor.) Whitney, Eli, New Haven, Conn. Breech-loading fire-arm	July 20, 1875	759	232	8	137
166, 237	Whitney, Elisha, Marysville, Cal. Earth-auger	Mar. 9, 1875	440	146	7	420
165, 464	Whitney, Francis W., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Child's carriage	Mar. 9, 1875	346	117	7	408
168, 120	Whitney, Frank E., Cambridgeport, Mass. Paper-weight	Aug. 3, 1875	47	15	8	206
163, 830	Whitney, George A., La Grange, Ohio. Grindstone-frame	July 13, 1875	339	99	8	62
163, 831	Whitney, John H., assignor to Sumner & Whitney Manufacturing Company, Saint Louis, Mo. Grain-binder	Oct. 11, 1875	363	119	8	624
163, 832	Same.....Harvester-rake	May 25, 1875	1043	331	7	915
168, 120	Same.....Chain and wheel for transmitting power	May 25, 1875	1045	331	7	915
160, 936	Same.....Grain-binder	May 25, 1875	1046	331	7	915
170, 140	Same.....Harvester-rake	Sept. 28, 1875	714	{ 225 226 }	8	530
169, 607	Same.....Harvester	Nov. 16, 1875	623	193	8	831
167, 374	Whitney, Levi H., Lowell, Mass. Machine for making excelsior	Nov. 16, 1875	805	254	8	855
170, 047	Whitney, Orlando H., Waukegan, Ill. Rotary pump	Nov. 2, 1875	268	87	8	770
158, 876	Whitney, Paul, New York, assignor to Louis Sanders, Brooklyn, N. Y. Buckle	Aug. 31, 1875	1164	367	8	396
	Whitney, Ruel W., assignor to Wilson Sewing-Machine Company, Cleveland, Ohio. Lock for drawers	Nov. 16, 1875	705	223	8	842
		Jan. 19, 1875	502	169	7	109

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 235	Whitney, Ruel W., Cleveland, Ohio. Leaf-support for sewing-machine tables.	Jan. 26, 1875	862	281	7	165
162, 127	Whitney, Ruel W., assignor to Wilson Sewing-Machine Company, Cleveland, Ohio. Sewing-machine cover.	Apr. 13, 1875	482	159	7	646
165, 641	Whitney, William F., New Paltz, assignor of one-half interest to John C. Suydan, Kingston, N. Y. Spring for vehicles.	July 13, 1875	499	153	8	86
169, 323	Whitney, William F., assignor of one-half interest to Edward Storms, Poughkeepsie, N. Y. Wagon-spring.	Oct. 26, 1875	975	316	8	725
165, 395	Whittemore, Amos, Cambridgeport, Mass. Draft-oven.	July 6, 1875	242	73	8	41
170, 322	Same.....Machine for making split spikes	Nov. 23, 1875	994	{ 311 312 }	8	888
	Whittemore, David. (See Shaw, Francis M., assignor.)					
162, 985	Whittemore, Robert D., Belvidere, Vt. Invalid bedstead.	May 4, 1875	234	75	7	778
169, 218	Whittemore, William H., Chelsea, Mass. Composition for artificial stone.	Oct. 26, 1875	876		8	712
162, 260	Whitten, Nathan H., assignor to Holyoke Machine Company, Holyoke, Mass. Operating paper-calendering rolls	Apr. 20, 1875	621	203	7	671
	Whittier Machine Company. (See Crosby, Josiah, assignor)					
	Same..... (See Perkins, Francis B., assignor)					
	Whittingham, Charles. (See Fellows, William C., assignor.)					
6, 262	Whittingham, Harry, Brooklyn, N. Y. Sectional steam-generator	Jan. 26, 1875	887	288	7	168
159, 992	Same..... Joint for steam-generators.	Feb. 16, 1875	722	240	7	296
164, 242	Whittington, John, Elida, Ohio. Device for reefing sails.	June 8, 1875	378	129	7	993
	Whittlesey, Franklin. (See Whittlesey, Lee & Franklin.)					
171, 202	Whittlesey, Lee, Sturgis, Mich., and Franklin Whittlesey, Rochester, N. Y. Fruit-drier.	Dec. 14, 1875	227	{ 173 174 }	8	1027
	Whitworth, Thomas S. (See Higgins & Whitworth.)					
	Wiard, Charles F. (See Wiard, Myron W., assignor.)					
168, 360	Wiard, Edward, assignor to Benjamin F. Avery, Louisville, Ky. Wrench.	Oct. 5, 1875	38	14	8	570
165, 046	Wiard, George, assignor of one-half interest to C. W. Hough, East Avon, N. Y. Casting plow-points	June 29, 1875	1152	371	7	1119
165, 903	Wiard, George and Thomas, assignors to George Wiard and Charles W. Hough, East Avon, N. Y. Plow.	July 20, 1875	760	232	8	137
165, 904	Wiard, Myron W., assignor to self and Charles F. Wiard, Waukegon, Ill. Eyeglass for watch-makers	July 20, 1875	761	232	8	137
	Wiard, Thomas. (See Wiard, George and Thomas.)					
6, 685	Wickersham, John B., Philadelphia, Pa. Iron fence	Oct. 5, 1875	229	74	8	596
167, 420	Wickersham, William, Boston, Mass. Nail-cutting machine	Sept. 7, 1875	38	11	8	411
171, 456	Wickes, James H., New York, N. Y. Refrigerator.	Dec. 21, 1875	775	256	8	1069
	Wickes, Sterling W. (See Denning & Wickes.)					
	Wickey, Andrew, et al. (See Salzman, Christian H., assignor.)					
166, 049	Wickiser, William, El Paso, Ill. Heating-stove	July 27, 1875	009	281	8	170
	Wickoff, Nathan S. (See Roberts, Robert, assignor.)					
169, 392	Wicks, George W., New York, N. Y. Manufacture of water-traps.	Nov. 2, 1875	68	20	8	744
168, 369	Wicks, Joseph F., Providence, R. I. Doubling and twisting machine.	Sept. 28, 1875	881	282	8	554
169, 608	Wicks, Joseph F., assignor of part interest to Edward P. Chapin, Providence, R. I. Pattern chain for looms	Nov. 2, 1875	269	88	8	771
171, 075	Wicks, Joseph F., assignor to Edward P. Chapin, Providence, R. I. Card-grinding machine	Dec. 14, 1875	296	132	8	1010
162, 130	Wicks, William A., Baltimore, Md. Spice-box	Apr. 13, 1875	485	160	7	646
170, 976	Wickwire, Chester F., Cortland, N. Y. Corn-popper.	Dec. 14, 1875	309	103	8	999
	Wideman, Joseph. (See Van Horn & Wideman.)					
169, 502	Widemann, Charles, New York, N. Y. Venetian shade	Nov. 2, 1875	160	53	8	757
166, 439	Widmann, John G., Yonkers, N. Y. Umbrella	Aug. 3, 1875	241	74	8	233
	Wieder's Sugar Refining Company, et al. (See Dinkel, George, assignor.)					
	Same..... (See Langen, Eugen, assignor.)					
159, 003	Wiedemann, Wilhelm, and Lewis Lindsey, Lawrence, Kans. Toy gun	Jan. 19, 1875	628	208	7	125
168, 695	Wiegand, Conrad, Virginia City, Nev. Separating gold from other metals	Oct. 11, 1875	364	130	8	624
163, 827	Wiegand, Emil H., assignor to Joseph Fillemeyer, Philadelphia, Pa. Process of brewing.	May 25, 1875	1041	330	7	915
	Wiegand, S. Lloyd. (See Ball & Wiegand.)					
8, 183	Wiegel, Lawrence, Cincinnati, Ohio, and Joseph Lehnbeuter, Saint Louis, Mo. Show-case	Mar. 2, 1875			7	345
8, 184	Same..... same	Mar. 2, 1875			7	345
8, 185	Same..... same	Mar. 2, 1875			7	345
	Wiel, Lewis P., et al. (See Hussey, John H., assignor.)					
170, 213	Wier, Marshall A., London, England. Speed indicator	Nov. 23, 1875	896	280	8	874
	Wier, Robert G. (See Flinn & Wier.)					
158, 767	Wiesebrock, Frederick W., Brooklyn, N. Y., assignor to Henry W. Shepard and Robert Seaman, New York, N. Y. Gas-regulator	Jan. 12, 1875	380	129	7	77
159, 731	Wiesebrock, Frederick W., New York, N. Y., assignor to Henry W. Shepard and Robert Seaman. Gas-regulator	Feb. 9, 1875	460	154	7	256
159, 732	Same..... same	Feb. 9, 1875	461	154	7	256
161, 845	Wiesebrock, Frederick W., assignor to Henry W. Shepard and Robert Seaman, New York, N. Y. Soda-fountain	Apr. 6, 1875	226	76	7	601
162, 986	Wiesebrock, Frederick W., Brooklyn, N. Y., assignor to Henry W. Shepard and Robert Seaman. Apparatus for drawing effervescent liquids	May 4, 1875	235	76	7	778
166, 440	Wiesebrock, Frederick W., New York, N. Y., assignor to Henry W. Shepard and Robert Seaman. Soda-water fountain	Aug. 3, 1875	242	74	8	233
170, 654	Wiestling, George B., Mount Alto, Pa. Dumping-cart	Nov. 30, 1875	1315	416	8	941
164, 891	Wieterhold, Vallantine, and Alexander Oak, Hamburg, Iowa. Brake-block for wagons	June 22, 1875	1000	323	7	1692
6, 489	Wiggin, John E., assignor to Hugh H. Mawhinney, Stoneham, Mass. Ejecting-machine	June 15, 1875	753	246	7	1052
	(Reissue.)					
161, 312	Wight, Spencer A., Philadelphia, Pa. Dust-trap for bulk-windows	Mar. 23, 1875	997	326	7	510
159, 488	Wight, William S., Chardon, Ohio. Engraving-machine	Feb. 2, 1875	233	76	7	217
162, 261	Wightman, James S., New York, N. Y. Ridge-ventilator	Apr. 20, 1875	632	203	7	671
155, 660	Wightman, Joseph C., Boston, Mass. Device for holding and mixing stove-polish	Jan. 12, 1875	292	98	7	45
165, 396	Wignall, John W., Manchester, England. Electric winding mechanism for clock-work	July 6, 1875	243	73, 74	8	41
166, 238	Wike, John, Phillipsburgh, N. J., assignor to Jacob Russell, New York, N. Y. Bar for horseshoe-blanks	Aug. 3, 1875	48	16	8	206
171, 460	Wilaud, Jeremiah, sr., Myersdale, Pa. Car-dumping apparatus	Dec. 21, 1875	779	257	8	1069
	Wilber, Frank P. (See Miller, Abraham S., assignor.)					
162, 444	Wilbraham, Thomas, Philadelphia, Pa. Metal-turning lathe	Apr. 20, 1875	798	260	7	692
159, 238	Wilby, Fritz H., Philadelphia, Pa. Device for making watch-case bezels	Jan. 26, 1875	864	282	7	165
159, 993	Same..... Form for forming watch-case backs	Feb. 16, 1875	723	240	7	296
	Wilcox, A. C., et al. (See Dodds, Albert G., assignor.)					
6, 637	Wilcox, Alfred W., Worcester, Mass. Organ reed-board	Sept. 7, 1875	205	64	8	434

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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6, 638	Wilcox, Alfred W., assignor of one-half interest to G. W. Ingalls, Worcester, Mass. Organ reed-board. (Reissue).	Sept. 7, 1875	206	64	8	434
171, 457	Wilcox, Darins, assignor of one-half interest to Isaac P. Howe, Birmingham, Conn. Die for making stay-ends and off-sets for carriages.	Dec. 21, 1875	776	{ 256 257 }	8	1069
165, 966	Wilcox, Harlow M., assignor of three-fifths interest to J. J. Delatour, E. W. Grafton, and J. A. Hallock, Chicago, Ill. Water-meter.	July 27, 1875	833	256	8	159
158, 661	Wilcox, Horace C., assignor to Meriden Britannia Company, West Meriden, Conn. Covered table-ware.	Jan. 12, 1875	292	98	7	65
160, 633	Wilcox, Horace C., West Meriden, Conn. Coffee-urn.	Mar. 9, 1875	347	117	7	408
165, 142	Wilcox, Horace C., assignor to Meriden Britannia Company, West Meriden, Conn. Match-safe.	June 29, 1875	1237	398	7	1131
163, 037	Wilcox, John W., and Robert L. Dejarnatt, Paris, Ky. Blue-grass-seed cleaner.	May 11, 1875	301	97	7	794
161, 919	Wilcox, Nelson O., Bennington, Vt. Clasp-hook for advertising display-boards, &c. Wilcox Silver Plate Company. (See Babbitt & Beach, assignors.)	Apr. 13, 1875	304	101	7	623
168, 310	Wilcox, Stephen S., and Charles F. Carr, Adel, Iowa. Cigar.	Sept. 28, 1875	884	282	8	554
159, 733	Wilcox, William C., San Francisco, Cal. Steam-engine.	Feb. 9, 1875	464	{ 154 155 }	7	257
162, 445	Wilcox, William W., Middletown, Conn. Bull's-eye.	Apr. 20, 1875	798	260	7	692
166, 441	Same. Toy hoop or trundle.	Aug. 3, 1875	243	74	8	233
170, 141	Wilcoxson, David J., Milan, Ohio, assignor to self and Asabel J. Mowry. Letter-box.	Nov. 16, 1875	809	255	8	856
167, 375	Wild, James, Springfield Township, and Emanuel Hey, Philadelphia, Pa. Spooling and doubling machine.	Aug. 31, 1875	1165	367	8	397
160, 559	Wild, Thomas S., Chicago, Ill. Screw-tap.	Mar. 9, 1875	285	97	7	398
159, 876	Wilde, Daniel. (See Johnson & Wilde.)	Feb. 16, 1875	615	203	7	281
170, 924	Wilder, Amos, Augusta, Me. Apparatus for drying oil-cloth, &c.	Dec. 7, 1875	236	81	8	982
171, 458	Wilder, Bolniss & Co. (See Bolniss, Alfred R., assignor.)	Dec. 21, 1875	777	257	8	1069
167, 484	Wilder, Elihu, assignor to Ira Cross, Manchester, N. H. Paper-collar and cuff machine.	Sept. 7, 1875	88	28	8	419
168, 696	Wilder, Moses L., Meriden, Conn., William H. McNeil, Lancaster, Mass., Salmon H. Wilder, Meriden, and Henry C. Tyler, assignors to Pratt, Read & Co., Deep River, Conn. Mortising-machine.	Oct. 11, 1875	367	120	8	624
168, 862	Wilder, Moses G., Meriden, Conn., William H. McNeil, Lancaster, Mass., and Henry C. Tyler, assignors to Pratt, Read & Co., Deep River, Conn. Boring-machine.	Oct. 19, 1875	526	{ 172 173 }	8	655
167, 719	Wilder, R. A., Cressona, Pa. Machine for breaking coal. (Extension).	Feb. 18, 1875	...	...	7	386
162, 987	Wilder, Rufus A., Cressona, Pa. Colliery-plant.	Sept. 14, 1875	309	98	8	457
162, 987	Wilder, Salmon H., Meriden, assignor to Pratt, Read & Co., Deep River, Conn. Mortising-machine.	May 4, 1875	237	76	7	778
165, 775	Wilder, Salmon H. (See Wilder, McNeil, Wilder & Tyler.) Wilding, Charles. (See David & Wilding.)	July 20, 1875	630	194	8	120
168, 949	Wiley & Russell Manufacturing Company. (See Wells, Frederick E., assignor.)	Oct. 19, 1875	606	201	8	667
169, 875	Wiley, Charles J., New York, N. Y. Printing-telegraph.	Nov. 9, 1875	558	174	8	814
161, 463	Wiley, John A., et al. (See Davis & Stone, assignors.) Wiley, John A. (See Loring, Leverett H., assignor.)	Mar. 30, 1875	1156	373	7	538
166, 442	Wiley, Solon L. (See Grant, John J., assignor.) Wiley, Watson D., assignor of one-half interest to Charles H. Woodruff, Oswego, N. Y. Grain-tally.	Aug. 3, 1875	244	74	8	234
159, 239	Wilford, Frederick, Eagle, Wis. Apparatus for walling cisterns.	Jan. 26, 1875	805	282	7	165
158, 769	Wilford, John B., assignor to Hezekiah Bradford, Reading, Pa. Feeding coal, &c., from a hopper.	Jan. 12, 1875	383	130	7	78
160, 735	Wilford, John B., assignor to Hezekiah Bradford and Herman Hamburger, Philadelphia, Pa. Sash-holder.	Mar. 9, 1875	443	146	7	420
168, 697	Same. same.	Oct. 11, 1875	370	121	8	625
168, 698	Wilford, John B., assignor to Hezekiah Bradford, Philadelphia, Pa. Jigger.	Oct. 11, 1875	370	121	8	625
170, 142	Same. Coal and ore separator.	Nov. 16, 1875	810	255	8	856
170, 143	Wilhelm, Henry, and Salathiel F. Leyde, Minerva, Ohio; said Leyde assignor of one-half interest to John F. Leyde. Mill-burr-furrow gage.	Nov. 16, 1875	811	255	8	856
171, 459	Wilhelm, Henry, assignor of one-half interest to Fremont D. Davis, Minerva, Ohio. Millstone-driver.	Dec. 21, 1875	778	257	8	1069
165, 288	Wilhelm, John, Orrville, Ohio. Butter-preserving firkin.	July 6, 1875	131	40	8	27
165, 287	Wilhelm, John C., Petersburg, Pa. Railway-switch.	July 6, 1875	129	39	8	26
171, 334	Wilhelmi, Charles A., Boston, Mass. Weather-strip.	Dec. 21, 1875	665	219	8	1054
167, 376	Wilhelms, Michael, Chicago, Ill. Cigar-maker's paste-box.	Aug. 31, 1875	1166	367	8	387
167, 045	Wilkinson, Basil M., Baltimore, Md. Business-card.	Aug. 24, 1875	844	263	8	344
163, 038	Wilkin, Felix. (See Denée & Wilkin.)	May 11, 1875	302	97	7	794
159, 094	Wilkin, James S., Chicago, Ill. Vaginal syringe.	Jan. 19, 1875	629	208	7	125
165, 289	Wilkins, Alexander G., Meadville, Pa. Hair-cutter's gage.	July 6, 1875	131	40	8	27
169, 609	Wilkins, Edward, Chestertown, Md. Insect-destroying compound.	Nov. 2, 1875	272	88	8	771
166, 050	Wilkins, Horatio, Paris, Ky. Rain-water cut-off.	July 27, 1875	914	281	8	170
159, 055	Wilkins, William R. (See Crowthers & Wilkins.)	Jan. 26, 1875	699	230	7	142
165, 643	Wilkinson, Gershom, Quincy, Ohio. Cultivator.	July 13, 1875	501	153	8	86
167, 377	Wilkinson, John, Baltimore, Md. Cooling-dairy.	Aug. 31, 1875	1167	367	8	397
167, 595	Same. Converting motion.	Sept. 7, 1875	192	60	8	533
161, 313	Wilkinson, Joseph H., South New Market, N. H. Steam-boiler.	Mar. 23, 1875	998	326	7	510
165, 642	Wilkinson, Lewis, assignor to W. G. Morgan, Brooklyn, N. Y. Curling-iron.	July 13, 1875	500	153	8	86
166, 031	Wilkinson, Nicholas. (See Stace, William R., assignor.)	July 27, 1875	912	281	8	170
160, 736	Wilkinson, Noah, et al. (See Dodd, Robert J., assignor.)	Mar. 9, 1875	444	147	7	420
166, 572	Willard, Cyrenius M. (See English & Willard.)	Aug. 10, 1875	373	115	8	260
166, 573	Willard, Eugene L. (See Kemeey & Willard.)	Aug. 10, 1875	371	115	8	260
166, 574	Willard, Lucius N., Janestown, N. Y. Extension-table slide.	Aug. 10, 1875	374	115	8	260
166, 031	Willard, Owl H., Randolph, N. Y. Milk-cooler.	Aug. 17, 1875	717	222	8	318
160, 736	Willard, Phineas, Milford, Mass. Chimney-staging bracket.	May 11, 1875	203	97	7	784
166, 572	Willard, William A., et al. (See Frederick, William C., assignor.)	Aug. 10, 1875	373	115	8	260
166, 573	Willard, James M., New York, N. Y. Vault-cover.	Aug. 10, 1875	371	115	8	260
166, 574	Same. Vault-light.	Aug. 10, 1875	374	115	8	260
6, 602	Same. Vault-cover.	Aug. 17, 1875	717	222	8	318
163, 039	Willcox, Robert F., Memphis, Tenn. Treadle for sewing-machines. (Reissue.)	May 11, 1875	203	97	7	784
163, 039	Willett, George, Burlington, Vt. Advertising-card rack.	May 11, 1875	203	97	7	784

Alphabetical list of patentees for the year 1875—Continued.

No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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159, 370	Wiley, Ogden S., Keokuk, Iowa. Level and slope indicator.	Feb. 2, 1875	115	40	7	210
151, 542	Willford, Joseph L., assignor of one-half interest to Ephraim Russell, Minneapolis, Minn. Middlings-purifier.	Dec. 28, 1875	875	287	7	1091
161, 081	Willgohs, Henry, New York, N. Y. Convertible chair and lounge.	Mar. 23, 1875	776	256	7	481
165, 397	Williams, Aaron B. G. A., assignor of one-half interest to Ruel M. Johnson, Goshen, Ind. Bearings for journals.	July 6, 1875	245	74	8	41
164, 244	Williams, Alfred, assignor of one-half interest to Gideon Sibley, Philadelphia, Pa. Dental plugger.	June 8, 1875	380	129	7	993
163, 712	Williams, Alfred D., Boston, Mass. Carpet-stretcher.	May 25, 1875	944	300	7	901
6, 569	Williams, Benjamin H., New York, N. Y. Revolving fire-arm. (Reissue).	Aug. 3, 1875	247	75	8	214
163, 967	Williams, Carmi H., Chicago, Ill. Burglar-alarm.	July 27, 1875	834	257	8	159
167, 596	Williams, Carmi H., assignor of two-thirds interest to Charles D. Williams and Charles N. Parker, jr., Saint Paul, Minn. Plect-machine.	Sept. 7, 1875	193	60, 61	8	433
164, 243	Williams, Carmi H., and Walter W. Alport, Chicago, Ill. Brick-machine.	June 8, 1875	379	129	7	993
167, 378	Williams, Charles F., et al. (See Williams, Carmi H., assignor.) Toilet-powder bottle.	Aug. 31, 1875	1167	388	8	397
166, 239	Williams, David F., assignor to Bailey Tool Company, Woonsocket, R. I. Bench-plane.	Aug. 3, 1875	49	16	8	206
166, 440	Same. same.	Aug. 3, 1875	50	16	8	206
170, 214	Williams, David T., Hennepin County, Minn. Grist-alarm.	Nov. 30, 1875	1281	404	8	936
160, 249	Williams, Frances L., et al. (See Burr, Melbourne C., assignor.) Williams, Francis A., Kansas City, Mo. Elevated railway.	Feb. 23, 1875	961	{ 316 317 }	7	337
170, 144	Williams, Frank E., Henry E. Cook, and John A. Kline, New York, N. Y. Fastening for buttons, &c.	Nov. 16, 1875	812	256	8	856
169, 664	Williams, George, Mystic River assignor of one-half interest to Frederick A. Holmes, Stonington, Conn. Car-axle box.	Nov. 9, 1875	343	108	8	788
170, 038	Williams, George E., San Francisco, Cal. Lock for fire-arms.	Nov. 16, 1875	705	233	7	842
163, 833	Williams, George H., Albany, N. Y. Folding table.	May 25, 1875	1047	332	7	915
161, 583	Williams, George W., et al. (See Barker, Benjamin F., assignor.) Williams, George W. (See Haserick, Ernest C., assignor.) Williams, Giles S., Madison, Wis. Jig-saw.	Mar. 30, 1875	1274	410	7	553
167, 046	Williams, Gordon C., et al. (See Williams, Orrilius T., assignor.) Williams, Henry A., West Medway, Mass. Machine for making crimping-tacks, awls, &c.	Aug. 24, 1875	845	263	8	344
169, 324	Williams, Henry M., Cold Water, Mich., assignor to self and C. A. Layton, Wapakonetta, Ohio. Harrow-teeth.	Oct. 26, 1875	976	316	8	725
158, 770	Williams, Horace G., Hamilton, Iowa. Washing-machine.	Jan. 12, 1875	384	130	7	78
165, 443	Williams, Isaac F., Bristol, R. I. Last for rubber-working.	Aug. 3, 1875	245	75	8	234
166, 669	Same. Rubber boot.	Aug. 10, 1875	460	141	8	272
162, 131	Williams, Isaac H. (See Backofen, Frederick, assignor.) Williams, Isaac S., Philadelphia, Pa. Portable commode.	Apr. 13, 1875	485	160	7	646
170, 145	Williams, James H., Washington, D. C. Locking-device for desk-drawers.	Nov. 16, 1875	812	256	8	856
158, 556	Williams, James W., Charlottesville, Va. Grate.	Jan. 5, 1875	178	61, 62	7	34
159, 133	Williams, John, Dresden, assignor to self and George J. Stonebreaker, Fayetteville, Tenn. Dressing millstones.	Jan. 26, 1875	767	252	7	151
168, 072	Williams, John, Canton, Mass. Tube-cleaner.	Sept. 21, 1875	654	268	8	515
170, 694	Williams, John A. B., assignor to Samuel S. White, Philadelphia, Pa. Holder for tools.	Dec. 7, 1875	38	11	8	956
168, 311	Williams, John C., Olin, Iowa. Harrow.	Sept. 28, 1875	885	282	8	574
170, 039	Williams, John E., assignor to Hiram Stevens, New Haven, Conn. Paper-box machine.	Nov. 16, 1875	706	224	8	742
165, 290	Williams, John I., Bennett Post-Office, Pa. Metal-rolling mill.	July 6, 1875	132	40	8	427
169, 070	Williams, John I., Millvale, Pa. Fore-plate for rolling-mills.	Oct. 19, 1875	730	{ 237 238 }	8	682
169, 071	Same. Three-high rolling-mill.	Oct. 19, 1875	721	238	8	682
159, 005	Williams, John S., et al. (See Thrash, Isaac T., assignor.) Williams, Joseph, Sharpsburgh, Pa. Horseshoe-machine.	Jan. 19, 1875	630	{ 268 269 }	7	125
164, 117	Same. Lubricating compound.	June 8, 1875	269		7	978
164, 065	Williams, Joseph S. (See Lamborn, William L., assignor.) Williams, Joseph S., Riverton, N. J. Anchor.	June 1, 1875	198	71	7	937
158, 557	Williams, Nora M., et al. (See Williams, Orrilius T., assignor.) Williams, Oliver P., Eugene City, Mo. Corn-planter.	Jan. 5, 1875	178	62	7	34
162, 988	Williams, Orrilius T., Suitland, Ky., assignor to Gordon C., Wiley B., and Nora M. Williams. Shtugle-machine.	May 4, 1875	238	76	7	778
167, 421	Williams, Owen J., Buffalo, N. Y. Car-replacer.	Sept. 7, 1875	42	19	8	412
167, 413	Williams, Richard S., New York, N. Y. Preparing dental fillings.	Sept. 14, 1875	402	129	8	471
165, 776	Williams, Robert F., Hampton, N. H. Tree-protector.	July 20, 1875	632	194	8	120
161, 464	Williams, Robert S., Philadelphia, Pa. Butter-press.	Mar. 30, 1875	1158	373	7	538
164, 355	Williams, Samuel B., assignor of one-half interest to Seymour C. W. Dunlevy, Bridgeport, Ohio. Tram-stave.	June 8, 1875	492	162	7	1007
166, 832	Williams, Solomon, Tecuacana, Tex. Corn sheller.	Aug. 17, 1875	626	194	8	505
170, 794	Williams, Sylvester M., San Francisco, Cal. Photographic eye-rest.	Dec. 7, 1875	127	42	8	967
159, 784	Williams, White & Co. (See Heffley, William H., assignor.) Williams, Wiley B., et al. (See Williams, Orrilius T., assignor.) Williams, William, New Berlin, Ia. Land-roller.	Feb. 16, 1875	529	176	7	970
159, 132	Williams, William L. (See Storm, William M., assignor.) Williams, William S., Middletown, Del. Washing compound or fluid.	Jan. 26, 1875	766		7	151
167, 455	Williams, William W., Houston, Tex. Process of coloring enameled photographs.	Sept. 7, 1875	90		8	419
159, 066	Williamson, Daniel, Sunbury, Pa. Sewing-machine.	Jan. 19, 1875	631	299	7	125
159, 877	Williamson, David, Greenville, N. J. Mechanical movement.	Feb. 16, 1875	616	294	7	282
160, 495	Same. Electric motor.	Mar. 3, 1875	216	74, 75	7	360
159, 371	Williamson, Jacob F., and James H. Sorey, Harber Township, Ill. Ditching-machine.	Feb. 2, 1875	116	40, 41	7	260
170, 146	Williamson, Samuel D., Milford, Ind. Double plow.	Nov. 16, 1875	814	{ 256 257 }	8	856
169, 876	Williamson, William C., Newbern, Tenn. Fire-place screen.	Nov. 9, 1875	559	174	8	814
165, 905	Williamson, William H., assignor of one-half interest to Samuel C. Talcott, Ashtabula, Ohio. Buekle.	July 20, 1875	762	233	8	137
160, 986	Willie, William T., Brenham, Tex., assignor of one-half interest to William H. Thacker. Machine for distributing compounds for destroying cotton-worms.	Mar. 16, 1875	684	224	7	460
164, 953	Willig, Fredrick, Joliet, Ill. Expandible bit.	June 29, 1875	1076	346	7	1109
160, 804	Willis, Augustus L., Philadelphia, Pa. Ice-creper.	Mar. 16, 1875	531	172	7	439
168, 312	Willis, Charles P., Philadelphia, Pa. Ratchet carriage-jack.	Sept. 28, 1875	885	283	8	554
165, 777	Willis, Joseph W. (See Peet, Poland & Willis.) Willis, Newiel J., Cambridgeport, assignor to self and William R. Potter, Taunton, Mass. Loom-shuttle.	July 20, 1875	633	194	8	120
164, 701	Willis, William H., Forest City, Mo. Door-check.	June 24, 1875	826	269	7	1070
	Willman, Jacob. (See Benson & Willman.)					

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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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158, 558	Wilnot, George R., West Meriden, Conn. Horse-tail protector .....	Jan. 5, 1875	179	62	7	34
162, 446	Willoughby, James D., Washington, D. C. Governor for steam-engines .....	Apr. 20, 1875	799	260	7	692
164, 118	Willow, Auguste. (See Brand & Willow.)					
164, 119	Wills, Charles, Attleborough, Mass. Bracket .....	June 8, 1875	269	99	7	978
6, 712	Same..... Watch-chain swivel .....	June 8, 1875	270	12	7	978
6, 713	Wills, Harry A., Vergennes, Vt., assignor to Julia A. Wills and Lucy S. Kingsland. Machine for finishing horseshoe-nails .....	Oct. 19, 1875	740	242	8	684
170, 793	Same..... Art of finishing horseshoe-nails .....	Oct. 19, 1875	742		8	684
167, 864	Wills, Harry A., assignor to Julia A. Wills, Chicago, Ill., and Lucy S. Kingsland, Burlington, Vt. Machine for finishing horseshoe-nails .....	Dec. 7, 1875	127	42	8	967
167, 864	Wills, Julia A., et al. (See Wills, Harry A., assignor.)					
164, 702	Willson, Frederick M., and William Yassie, Hamilton, Canada. Lamp-bracket for sewing-machines .....	Sept. 21, 1875	463	146	8	487
164, 702	Wilmarth, Moses P., assignor to James Davis & Son, Pawtucket, R. I. Belt-twisting apparatus .....	June 22, 1875	827	269	7	1070
169, 325	Wilmer, Samuel L., et al. (See Harwood, George D., assignor.)					
170, 925	Wilmington, William, Pole o, Ohio. Car-wheel chill .....	Oct. 26, 1875	977	317	8	725
159, 469	Same..... Method of casting car-wheels .....	Dec. 7, 1875	238	81	8	982
159, 007	Wilnot, Byron, Dallas, Tex. Flat-iron heater .....	Feb. 2, 1875	234	76	7	217
162, 732	Wilnot Manufacturing Company. (See Wilnot, Samuel R., assignor.)					
164, 892	Wilnot, Samuel R., Bridgeport, Conn. Lightning-rod .....	Jan. 19, 1875	631	209	7	125
164, 892	Same..... Apparatus for rolling metallic strips or ribbons .....	Apr. 27, 1875	1091	346	7	737
166, 670	Wilnot, Samuel R., assignor to Wilnot Manufacturing Company, Bridgeport, Conn. Mode of making sheet-metal rings .....	June 22, 1875	1001	333	7	1092
160, 044	Wilson, Albert L., Broadway, N. Y. Lamp-burner .....	Aug. 10, 1875	461	141	8	272
163, 951	Wilson, Anson, Cascade, Minn. Book-holder .....	Feb. 24, 1875	787	259	7	312
163, 894	Wilson, Baker D., Shreveport, La. Windmill .....	Oct. 19, 1875	606	201	8	667
161, 847	Wilson, Benjamin J., Atlanta, Ga. Shot-cartridge .....	June 22, 1875	1002	324	7	1092
159, 555	Wilson, Charles D., and Eds. n Gerry, Elmwood, Ill. Cotton and hay press .....	Apr. 6, 1875	228	76	7	601
163, 345	Wilson, Charles E., New York, N. Y. Compound for picture-frames .....	Feb. 9, 1875	311	101	7	234
167, 965	Wilson, Charles E., New York, N. Y. Composition for lining furnaces .....	May 18, 1875	604		7	849
166, 833	Wilson, David, jr., and Thomas Hall, Lawrence, Mass.; said Wilson assignor to said Hall. Whirl for spinning-machines .....	Sept. 21, 1875	538	173	8	499
166, 833	Wilson, Ebnezer, Otto, N. Y. Faucet .....	Aug. 17, 1875	626	194 195	8	306
158, 451	Wilson, Edward K. (See Saunders, Edward M., assignor.)					
162, 447	Wilson, F. Cortez, et al. (See Strickler, Walter C., assignor.)					
162, 447	Wilson, Francis T., assignor to self and E. J. Bartlett, Ames, Iowa. Barbed stock-fence ..	Jan. 5, 1875	85	29	7	21
167, 729	Wilson, Fred. R. (See Redgrave, Alphonzo W., assignor.)					
159, 008	Wilson, George, New York, N. Y. Adjustable iron chair .....	Apr. 20, 1875	801	260	7	692
162, 511	Wilson, George R., and George Smithson, Washington, D. C. Brick-machine .....	Sept. 14, 1875	311	99	8	457
164, 893	Wilson, George W., assignor of one-half interest to William and William C. Homan, West Meriden, Conn. Filtering-faucet .....	Jan. 19, 1875	632	209	7	125
6, 555	Wilson, Harrison H., and William H. Rolfe, Wabash, Ind. Stove-pipe damper .....	Apr. 27, 1875	881	282	7	711
166, 052	Wilson, Henry H. (See Hall, Harry, assignor.)					
164, 893	Wilson, Hiram J., Mason, Mich. Hamo-fastener .....	June 22, 1875	1002	323	7	1092
166, 052	Wilson, Jacob W., Somersford, Ohio. Rotary road-scraper .....	July 20, 1875	775	237	8	140
161, 370	Wilson, Jacob W., Somersford, assignor to self and Addison Shanklin, London, Ohio. Road-scraper .....	July 27, 1875	913	282	8	170
163, 834	Wilson, James, Boston, Mass. Plate-printing press .....	Mar. 30, 1875	1068	347	7	527
163, 906	Wilson, James A., and Edmund D. Noble, Spring Lake, Mich. Saw-filing machine .....	May 25, 1875	1048	332	7	915
159, 878	Wilson, James G., Millerton, N. Y. Elevated railway .....	July 20, 1875	762	233	8	138
164, 848	Wilson, James L., Callhoun, Ga. Churn .....	Feb. 16, 1875	617	204	7	282
168, 073	Wilson, John A., Chicago, Ill. Sheet-metal can .....	Apr. 6, 1875	228	76	7	601
160, 134	Same..... Process of preserving meat .....	Sept. 21, 1875	655		8	518
162, 449	Wilson, John D., Round Grove, Kans. Animal-hopple .....	Feb. 23, 1875	861	285	7	323
166, 325	Wilson, John G., assignor of one-fourth interest to Charles W. Elrod, Coatesville, Ind. Car-coupling .....	Apr. 20, 1875	862	261	7	693
167, 597	Wilson, John M., Philadelphia, Pa. Air-heating furnace .....	Aug. 3, 1875	127	40	8	217
162, 448	Wilson, John M., Nashua, N. H. Corn-shelling implement .....	Sept. 7, 1875	194	61	8	433
163, 429	Wilson, John N., Carthage, Mo. Farm-gate .....	Apr. 20, 1875	801	261	7	692
170, 977	Wilson, John T., Pittsburgh, Pa. Car-coupling .....	May 18, 1875	671	215	7	858
169, 754	Wilson, Joseph A., Chester, Vt. Wringer .....	Dec. 14, 1875	309	163	8	999
164, 954	Wilson, Joseph E., Brazoria, Tex. Screw-propulsion .....	Nov. 9, 1875	436	138	8	800
158, 771	Wilson, Joseph S., Philadelphia, Pa. Air-port for vessels .....	June 29, 1875	1076	346	7	1109
168, 547	Wilson, Joseph W., Warsaw, Ill. Middlings-purifier .....	Jan. 12, 1875	385	130	7	78
6, 214	Wilson, Liston B., Caldwell, Ohio. Bottling apparatus .....	Oct. 5, 1875	211	69	8	594
164, 356	Wilson Packing Company. (See Wilson, William J., assignor.)					
168, 202	Wilson, Robert, Ithaca, N. Y. Horse hay-rake .....	Jan. 5, 1875	198	67, 68	7	38
159, 056	Same..... same .....	June 8, 1875	492	162	7	1007
168, 439	Wilson, Robert, McLeansville, N. C. Water-wheel .....	Sept. 28, 1875	732	251	8	541
163, 040	Wilson, Samuel J., Farmington, Ill. Stove-polish .....	Jan. 26, 1875	700		7	142
164, 066	Wilson Sewing Machine Company. (See Whitney, Ruel W., assignor.)					
6, 603	Wilson, Stephen D., assignor of one-half interest to William Stein, Des Moines, Iowa. Steam-hammer .....	Oct. 5, 1875	163	36	8	580
169, 130	Wilson, Thomas, Belleville, N. J. Sash-fastener .....	May 11, 1875	303	97	7	794
6, 370	Wilson, Thomas, assignor of one-half interest to George W. Fish, Kalamazoo, Mich. Steam-brake .....	June 1, 1875	198	72	7	958
166, 671	Wilson, William, Cincinnati, Ohio. Corder for sewing-machines .....	Aug. 17, 1875	717	222	8	318
169, 937	Wilson, William B., Jefferson County, Kentucky. Cistern-filter and water-separator ..	Oct. 26, 1875	800	259	8	700
163, 835	Wilson, William J., Chicago, Ill., assignor, by mesne assignments, to Wilson Packing Company. Process for preserving and packing cooked meats .....	Apr. 6, 1875	238		7	602
166, 671	Wilson, William W., Parkville, Mo. Egg-tester .....	Aug. 10, 1875	622	142	8	272
163, 835	Wilton, Benjamin A., West New Brighton, N. Y. Feed-cutter .....	Nov. 16, 1875	624	191	8	831
162, 450	Wimper, Mathew A. J., Rome, Ga. Railway-rammer head .....	May 25, 1875	1049	332	7	916
164, 314	Winans, Thomas. (See Winans, William L. and Thomas.)					
161, 372	Winans, Thomas, Baltimore, Md. Pneumatic action for organs .....	Apr. 20, 1875	803	261	7	693
159, 240	Winans, Thomas, and Thomas D. Whistler, Baltimore, Md. Fishing-reel .....	Mar. 23, 1875	998	327	7	510
6, 620	Winans, William L., London, England, and Thomas Winans, Baltimore, Md. Construction of spindle-shaped vessels .....	Mar. 30, 1875	1074	348	7	527
159, 241	Winchell, James B., Benton Harbor, Mich. Axle-box and sleeve .....	Jan. 26, 1875	866	282	7	165
159, 241	Winchester, Edward S., Boston, Mass. Rock-drill .....	Aug. 24, 1875	964	300	8	369
159, 241	Same..... Supporting clamp for rock-drilling machines .....	Jan. 26, 1875	867	282	7	165



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161, 725	Woerd, Charles V., assignor to American Watch Company, Waltham, Mass. Stem-winding watch.	Apr. 6, 1875	111	41	7	586
	Woerle, William. (See Laubser & Woerle)					
162, 512	Wohlgenuth, Friedrich, New York, N. Y. Cartridge-loading device.	Apr. 27, 1875	882	282	7	711
168, 548	Wolcott, Christopher C., Washington, D. C. Electrical marine-engine governor.	Oct. 5, 1875	212	69	8	554
163, 289	Wolcott, Henry E., Syracuse, N. Y. Tank-can for oils.	May 11, 1875	733	172	7	824
159, 734	Wolf, Abraham N., Allentown, Pa. Water-wheel.	Feb. 9, 1875	465	155	7	257
168, 740	Wolf, David, Avon, Pa. Mowing-machine.	Oct. 11, 1875	371	121	8	625
	Wolf, Frederick W. (See Weinig, Paul, assignor.)					
165, 398	Wolf, Horace S., South Bend, Ind. Process for cleansing gas-retorts.	July 6, 1875	245		8	42
166, 672	Wolf, Jacob, Philadelphia, Pa. Oscillating engine.	Aug. 10, 1875	463	142	8	272
165, 047	Wolf, Ulfors S., Otto, Ind. Wicker-basket.	June 29, 1875	1153	372	7	1119
159, 995	Wolfe, Daniel J., and Gustavus A. Lilliendahl, Jersey City, N. J. Torpedo-filling machine.	Feb. 16, 1875	724	241	7	296
167, 814	Same. Torpedo-envelope machine.	Sept. 14, 1875	403	129	8	471
6, 217	Wolfe, Gurdon G., Troy, N. Y. Reservoir cooking-stove. (Reissue.)	Jan. 12, 1875	387	131	7	78
6, 218	Same. same. (Reissue.)	Jan. 12, 1875	388	132	7	78
6, 219	Same. same. (Reissue.)	Jan. 12, 1875	389	132	7	78
8, 766	Wolfe, Gurdon G., Nicholas S. Vedder, and Francis Ritchie, assignors to Hicks & Wolfe, Troy, N. Y. Parlor-stove. (Design.)	Nov. 2, 1875			8	729
8, 767	Wolfe, Gurdon G., and Francis Ritchie, assignors to Hicks & Wolfe, Troy, N. Y. Range. (Design.)	Nov. 2, 1875			8	729
8, 769	Wolfe, Gurdon G., Nicholas Vedder, and Francis Ritchie, assignors to Hicks & Wolfe, Troy, N. Y. Cooking-stove. (Design.)	Nov. 2, 1875			8	729
159, 735	Wolfe, Gurdon G., Troy, N. Y. Ash-sifter for stoves.	Feb. 9, 1875	466	155	7	257
				156		
164, 629	Same. Reservoir cooking-stove.	June 15, 1875	742	242	7	1050
				243		
164, 630	Same. Portable range.	June 15, 1875	744	243	7	1051
				244		
158, 416	Wolfe, John N., Lancaster, Ohio. Corn-sheller.	Jan. 19, 1875	449	119	7	102
170, 214	Wolffenden, James, New Bedford, Mass. Shuttle and shuttle-stop for looms.	Nov. 23, 1875	897	280	8	875
	Wolffenden, Shore & Co. (See Goodyear, Robert B., assignor.)					
169, 877	Wolff, Auguste D. B., Paris, France. Piano attachment.	Nov. 9, 1875	500	175	8	814
	Wolff, Julius. (See Selmann, Reessing & Wolff)					
6, 430	Wolffinger, Francis R., Chicago, Ill. Sewing-machine table. (Reissue.)	May 11, 1875	518	175	7	826
163, 347	Same. same.	May 18, 1875	605	193	7	819
158, 417	Wolffington, William P., Louisville, Ky. Harness-tree.	Jan. 19, 1875	450	150	7	102
170, 439	Wolfey, Lewis, New Orleans, La. Car-starter.	Nov. 30, 1875	1133	357	8	916
162, 133	Wolfram, Eli J., Washingtonville, Ohio, assignor to self and Maria E. Whiteside, Marengo, Ill. Ironing-table.	Apr. 13, 1875	487	161	7	646
159, 996	Wolston, Philip N., Springfield, Ohio, assignor of one-half interest to B. C. Converse. Clothes-wringer.	Feb. 16, 1875	725	241	7	296
	Woller, John. (See Ott & Woller.)					
158, 662	Wonderly, Alexander, Palisade, Nev. Car-coupling.	Jan. 12, 1875	293	98	7	65
162, 134	Wood, Abiel, Brooklyn, N. Y. Oil-can.	Apr. 13, 1875	487	161	7	646
166, 673	Wood, Albert A., Manlius, N. Y. Hollow auger.	Aug. 10, 1875	464	142	8	272
166, 674	Wood, Albert A., Syracuse, N. Y. Hollow auger.	Aug. 10, 1875	465	143	8	272
164, 897	Wood, Aurin, Worcester, Mass. Machine for grinding pulleys.	June 23, 1875	1005	324	7	1692
				325		
164, 067	Wood, Charles B., New York, N. Y. Fifth-wheel.	June 1, 1875	199	72	7	958
167, 147	Wood, Daniel, Abela, Mo. Brick-machine.	Aug. 24, 1875	943	294	8	358
165, 778	Wood, Daniel C., Quincy, Ill. Ice-hook.	July 20, 1875	633	194	8	120
	Wood, E. Morgan, et al. (See Archer, William S., assignor.)					
161, 317	Wood, Enoch, assignor of one-half interest to J. H. Legge, Pittsburgh, Pa. Puddling-furnace.	Mar. 23, 1875	1006	328	7	511
159, 535	Wood, Fraser, Bangor, and Charles H. Wentworth, South Orrington, Me. Fender for vessels.	Feb. 9, 1875	296	96	7	232
	Wood, George. (See Kivlan & Wood)					
167, 721	Wood, George F., Philadelphia, Pa. Band-saw.	Sept. 14, 1875	312	99	8	457
163, 957	Wood, George W., assignor to Hetty W. Wood, New York, N. Y. Exercising apparatus.	June 1, 1875	98	33	7	944
8, 394	Wood, Henry A., Bangor, Me. Range. (Design.)	June 15, 1875			7	1014
152, 875	Wood, Hermon G., Sharon, Pa. Rotary engine.	May 4, 1875	125	41	7	763
	Wood, Hetty W. (See Wood, George W., assignor.)					
	Wood, John B. (See Sands, Charles J., assignor.)					
159, 592	Wood, John B., Pontiac, Vt. Elastic pad for horseshoes.	Feb. 2, 1875	45	16	7	191
158, 818	Wood, John W., and Edward A. Drago, Valparaiso, Ind. Check-rein holder.	Jan. 19, 1875	451	150	7	162
	Wood, Joseph, et al. (See Johnson, James, assignor.)					
	Wood, Julian, et al. (See O'Neill, John, assignor.)					
	Wood Mowing and Reaping Machine Company, Walter A. (See Dudenhoff, Israel, assignor.)					
	Same. (See Henderson, Andrew A., assignor.)					
	Same. (Reissue.)					
	Same. (See Rosebrook, John M., assignor.)					
	Same. (See Wood, Bowbay & Rosebrook, assignors.)					
158, 663	Wood, Nathaniel S., Boone County, Mo. Revolving eliminator.	Jan. 12, 1875	294	99	7	65
166, 176	Wood, Newton D., and Lee Taylor, Ballston Spa, N. Y. Horse hay-rake.	July 27, 1875	1036	319	8	188
160, 561	Wood, Orville K., West Chazy, N. Y. Grain-separator.	Mar. 9, 1875	287	97	7	399
	Wood, Robert. (See Borel, George W., assignor.)					
	Same. (See Harwood & Wood.)					
171, 640	Wood, Samuel, assignor to Excelsior Stove Works, Quincy, Ill. Stove. (Design.)	Dec. 28, 1875	964	318	8	1105
158, 614	Wood, Stephen W., Cornwall, N. Y. Machine for heading metallic cartridge-shells.	Jan. 12, 1875	248	83, 84	7	59
169, 878	Same. Manufacture of metal tubing.	Nov. 9, 1875	561	175	8	815
163, 619	Wood, Thomas T., assignor to George B. Griffen, Chicago, Ill. Machine for making wrought-nail blanks.	May 25, 1875	869	274	7	891
163, 620	Same. Machine for heading wrought nails.	May 25, 1875	871	274	7	891
	Wood, Walter A., et al. (See Henderson, Andrew A., assignor.)					
159, 879	Wood, Walter A., Hoosick Falls, N. Y. Harvester.	Feb. 16, 1875	618	204	7	282
168, 951	Wood, Walter A., Egbert Bowhay, and John M. Rosebrooks, assignors to Walter A. Wood Mowing and Reaping Machine Company, Hoosick Falls, N. Y. Mowing-machine.	Oct. 19, 1875	607	201	8	667
163, 714	Wood, William, Canton, Ohio. Bed-bottom.	May 25, 1875	946	300	7	901
158, 559	Wood, William A., Albany, N. Y. Journal for harvester-frames.	Jan. 5, 1875	180	62, 63	7	34
163, 127	Same. Harvester-rake.	May 11, 1875	379	121	7	804
163, 128	Same. Mowing-machine.	May 11, 1875	381	123	7	805
162, 135	Wood, William E., Baltimore, Md. Heating-furnace.	Apr. 13, 1875	498	161	7	646
164, 503	Wood, William H., Trenton, N. J. Weather-threshold.	June 15, 1875	627	206	7	1035
	Wood, William J., et al. (See Chapman, Luke, assignor.)					
160, 499	Wood, William T., Mount Juliet, Tenn. Lamp-extinguisher.	Mar. 2, 1875	222	76	7	381



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No.	Name, residence, and invention.	Date.	Monthly volume.		Official Gazette.	
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166, 578	Woodbury, Andrew H., Ashuelot, N. H. Wool-carding engine.....	Aug. 10, 1875	377	116	8	261
161, 726	Woodbury, Charles T. (See Peasley, James H., assignor.)					
166, 444	Woodbury, George E., Cambridge, Mass. Planing-machine.....	Apr. 6, 1875	115	41, 42	7	586
168, 440	Woodbury, Leander S., assignor of two-thirds interest to B. S. Nichols and F. G. Coggin, Burlington, Vt. Planing-machine.....	Aug. 3, 1875	247	75	8	234
	Woodhouse, John V., Bunker Hill, Ill. Furnace for smelting lead.....	Oct. 5, 1875	104	36	8	580
	Woodhouse, William. (See Park & Woodhouse.)					
	Woodmansee, Francis A. (See Carroll, Thomas, assignor.)					
162, 595	Woodruff, Charles E., Carlton, N. Y. Stove-pipe shelf.....	Apr. 27, 1875	959	305	7	720
	Woodruff, Charles H. (See Wiley, Watson D., assignor.)					
	Woodruff, F. B. (See Peak, Thomas T., assignor.)					
160, 135	Woodruff, George J., Norristown, Pa. Railway-switch.....	Feb. 23, 1875	862	285	7	323
	Woodruff, John E. (See Pride, Orlando S., assignor.)					
168, 701	Woodruff, John W., Jollytown, Pa. Device for transmitting power.....	Oct. 11, 1875	372	122	8	625
160, 486	Woodruff, Joseph, Rahway, N. J. Damper for furnaces.....	Mar. 2, 1875	217	75	7	380
160, 497	Same..... same.....	Mar. 2, 1875	219	75	7	350
160, 498	Same..... Drait-regulator.....	Mar. 2, 1875	219	76	7	350
	Woods, Charles E. (See Schwartz & Woods.)					
	Woods, Edward P., et al. (See Ayres & Chamberlin, assignors)..... (Reissue.)					
	Same..... (See Dudley, George D., assignor.)					
6, 632	Same..... (See Godwin, Richard J. P., assignor)..... (Reissue.)					
	Woods, Edward P., and Daniel Sherwood, Lowell, Mass., assignors to selves and Cyrus H. Latham. Egg stand and boiler..... (Reissue.)	Sept. 7, 1875	200	63	8	434
161, 083	Woods, Edward P., assignor to self, Daniel Sherwood, and Cyrus H. Latham, Lowell, Mass. Toy furniture.....	Mar. 23, 1875	778	256	7	481
	Woods, Frank. (See Norris & Woods, assignors.)					
166, 577	Woods, Hiram, assignor to self and William F. Merriman, Newcastle, Pa. Machine for rolling nail-plates.....	Aug. 10, 1875	376	116	8	260
	Woods, Newell E. (See Norris & Woods.)					
167, 048	Woodville, John, Washington, Ind. Car-wheel lubricator.....	Aug. 24, 1875	847	253	8	344
170, 215	Woodward, Ambrose W., Lancaster, Pa. Combined wiud-wheel and fan for railway-cars.....	Nov. 23, 1875	898	280	8	875
159, 243	Woodward, Charles J., Brooklyn, N. Y. Support for stools.....	Jan. 26, 1875	868	283	7	166
165, 143	Woodward, Erasmus, Charlestown, Mass. Culinary grater.....	June 29, 1875	1238	398	7	1132
159, 134	Woodward, Frank R., Hill, N. H. Pocket-tool.....	Jan. 26, 1875	767	252	7	151
166, 954	Same..... Rotary paper-cutter.....	Aug. 24, 1875	758	235	8	332
171, 252	Woodward, George W., assignor of one-half interest to George P. McNeill, Fayetteville, N. C. Sugar-scoop.....	Dec. 21, 1875	596	195	8	1045
160, 805	Woodward, Gillman, Providence, assignor of one-half interest to James A. Matteson, Johnston, R. I. Blind-stop.....	Mar. 16, 1875	532	172	7	439
	Woodward, Isaac O. (See Lyke, Albion, assignor.)					
	Woodward, Jabez S., et al. (See Taylor, John, assignor.)					
161, 084	Woodworth, Alfred, Cambridge, N. Y. Water-wheel governor.....	Mar. 23, 1875	779	256	7	481
164, 504	Woodworth, Milton, and Jerome B. Fredricks, Conneaut, Ohio. Car-mover.....	June 15, 1875	638	206	7	1035
168, 595	Woodworth, Silas F., Rockford, Ill. Sulky-plow.....	Oct. 11, 1875	273	90	8	611
169, 879	Woodworth, Zachary, Springwells, Mich. Apparatus for lighting gas, &c.....	Nov. 9, 1875	562	175	8	815
162, 000	Woolf, Ira D., Oneonta, N. Y. Sash-fastener.....	Apr. 13, 1875	367	123	7	631
159, 997	Woolfolk, Lucien B., Lexington, Ky. Process and apparatus for cooling liquids.....	Feb. 16, 1875	726	242	7	296
163, 431	Same..... Ice-cream treecer.....	May 18, 1875	673	215	7	859
165, 048	Same..... Heat-reflector.....	June 29, 1875	1153	372	7	1119
166, 736	Same..... Water-cooler.....	Aug. 17, 1875	545	167	8	293
168, 441	Same..... Refrigerator.....	Oct. 5, 1875	105	36	8	580
171, 204	Same..... Refrigerator apparatus.....	Dec. 14, 1875	528	174	8	1028
158, 560	Woelridge, John, assignor of two-thirds interest to Abel B. Smith, Dean's Corners, Ill. Land-roller.....	Jan. 5, 1875	181	63	7	34
169, 220	Woolsey, James J., Stamford, Conn. Combined burglar-alarm and door-fastener.....	Oct. 26, 1875	878	255	8	712
158, 877	Woolsey, Thomas D., assignor of one-half interest to William H. Baxter, San Francisco, Cal. Bath attachment.....	Jan. 19, 1875	503	169	7	109
159, 556	Same..... Bath-tub attachment.....	Feb. 9, 1875	311	101	7	234
167, 722	Woolsey, William F., Breckenridge, Mo. Furnace for destroying insects.....	Sept. 14, 1875	313	99	8	458
	Woolson, A. N. (See Frost, Henry S., assignor.)					
160, 500	Wooster, Emma C., New York, N. Y. House maid's pail.....	Mar. 2, 1875	223	76	7	381
	Wooster, George H. (See Pipo, John A., assignor.)..... (Reissue.)					
	Same..... (See Robjohn, Thomas, assignor.)..... (Reissue.)					
	Same..... (See Trowbridge, John H., assignor.)..... (Reissue.)					
	Same..... (See Walker, William, assignor.)..... (Reissue.)					
165, 647	Wooten, John E., Reading, Pa. Car-spring.....	July 13, 1875	505	154	8	87
166, 178	Same..... Railway-car spring.....	July 27, 1875	1039	320	8	188
166, 179	Same..... same.....	July 27, 1875	1040	320	8	188
169, 880	Worcester, Leonard, West Brattleborough, and Joshua B. Howe, Readsborough, Vt. Cot-beadstead.....	Nov. 9, 1875	563	175	8	815
162, 327	Worden, Asa E., Smyrna, Del. Washing-machine.....	Apr. 20, 1875	681	222	7	678
159, 490	Worden, James M., East Randolph, N. Y. Cow-tail holder.....	Feb. 2, 1875	235	77	7	217
	Worden, John J. (See Gilchrist, Ingh, assignor.)					
166, 177	Work, Alanson, Providence, e. R. I. Hose-coupling.....	July 27, 1875	1037	320	8	188
6, 375	Worley, James T., Cleveland, Ohio. Safety pass-enger-car..... (Reissue.)	Apr. 13, 1875	494	163	7	647
160, 375	Worley, John, Cleveland, Ohio. Machine for applying paste to wall-paper.....	Mar. 2, 1875	103	38	7	363
169, 881	Wormald, William, and Edmund Dobson, Leeds, England. Sewing-machine.....	Nov. 9, 1875	564	176	8	815
169, 393	Wormley, Abram N., Cornton, Ill. Barbed-wire fence.....	Nov. 2, 1875	68	20	8	744
171, 205	Worrell, John, Clayton, Ind. Plow.....	Dec. 14, 1875	529	175	8	1028
168, 362	Worrell, Stanley E., Hannibal, Mo. Marking-wheel.....	Oct. 5, 1875	39	14	8	570
166, 490	Worsley, Samuel L., assignor to American Screw Company, Providence, R. I. Machine for tapping nuts.....	Aug. 10, 1875	306	92	8	250
166, 834	Worster, Alexander, Groveton, N. H. Locking-latch.....	Aug. 17, 1875	628	195	8	306
161, 085	Worswick, James R., Cleveland, Ohio. Steam-radiator.....	Mar. 23, 1875	780	257	7	482
	Worth, Addison R. (See Caswell & Worth.)					
161, 405	Worth, John S., Coatesville, Pa. Mechanism for operating the adjusting-screws of rolls.....	Mar. 20, 1875	1158	374	7	538
168, 442	Worthen, William E., and Richard S. Gillespie, New York, N. Y. Electroplated figures, &c.....	Oct. 5, 1875	107	36	8	580
171, 464	Same..... Electroplating statuettes, &c.....	Dec. 21, 1875	782	258 } 259 }	8	1070
165, 648	Worthington, John E., Mobile, Ala. Car-brake.....	July 13, 1875	505	155	8	87
	Wray, Hiram C. (See Weinel, Josiah, J., assignor.)					
6, 568	Wren, William C., and William Barker, Brooklyn, assignors, by mesne assignments, to Charles F. Deau, New York, N. Y. Making illuminating-gas from petroleum. (Reissue.).....	July 27, 1875	1055	324	8	190

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160, 646	Wright, Allen, Westfield, N. Y. Clothes-frame .....	Feb. 23, 1875	790	260	7	312
159, 373	Wright Arthur, Bath, Me. Vehicle chafing-iron .....	Feb. 2, 1875	118	41	7	280
159, 010	Wright, Caleb, assignor to J. Hall and Joseph B. Rohman, Philadelphia, Pa. Wire has ener for fruit-jars .....	Jan. 19, 1875	633	210	7	126
165, 779	Wright, Daniel, Lowell, assignor to George Draper & Son, Milford, Mass. Art of treating yarn to set the twist .....	July 20, 1875	634	195	8	190
169, 504	Wright, Daniel, assignor to Sawyer Spindle Company, Boston, Mass. Loom-shuttle .....	Nov. 2, 1875	161	54	8	757
169, 505	Same .....	Nov. 2, 1875	162	54	8	757
171, 077	Wright, David, Auburn, N. Y. Barrel .....	Dec. 14, 1875	399	132	8	1011
169, 073	Wright, Edward, Worcester, Mass. Governor for water-wheels .....	Oct. 19, 1875	723	239	7	622
159, 011	Wright, Edward D., and Charles H. Kenney, Springfield, Vt. Lamp-chimney .....	Jan. 19, 1875	631	210	7	126
160, 738	Wright, George, Old Point Comfort, Va. Tbil-coupling .....	Mar. 9, 1875	445	148	7	421
169, 326	Wright, George G., and George Bassett, Spencer, Mass. Crimper's pinchers .....	Nov. 2, 1875	160	54	8	737
166, 326	Wright, Henry J., Society Hill, S. C. Bale-tie .....	Aug. 3, 1875	128	40	8	217
163, 560	Wright, Homer, Pittsburgh, Pa. Jug-top .....	May 18, 1875	798	253	7	874
166, 054	Wright, James, Mountain Mills, Ala. Cotton-cleaner .....	July 27, 1875	914	282	8	176
159, 012	Wright, John P., and Daniel W. Gardner, Brooklyn, N. Y. Canvas-stretcher .....	Jan. 19, 1875	631	210	7	126
160, 072	Wright, John P., Columbia, Tenn. Seed-dropper .....	Oct. 19, 1875	722	239	8	682
160, 737	Wright, Joseph C., Monocacy Furnace, Pa. Coping for walls .....	Mar. 9, 1875	444	147	7	420
164, 505	Wright, Joseph C., Monocacy Station, Pa. Nut-lock .....	June 15, 1875	639	207	7	1035
167, 047	Same .....	Aug. 24, 1875	846	263	8	344
167, 907	Wright, Joseph C., Monocacy Furnace, assignor of one-half interest to John B. Hacker, Philadelphia, Pa., and Jesse M. Cook. Nut-lock .....	Sept. 21, 1875	540	173	8	499
	Wright, Julius. (See Blakesley & Wright.)					
	Wright, Lewis A. (See Cilley, Wright & Nelson.)					
	Wright, Luther S., et al. (See Moore, Theodore F., assignor.)					
158, 819	Wright, Luther S., Groton, assignor of one-half interest to Orlando Bently, Marathon, N. Y. Machine for making toe-calks .....	Jan. 19, 1875	452	150	7	102
159, 625	Wright, Ransom C., Philadelphia, Pa. Car-truck .....	Feb. 9, 1875	261	120	7	242
167, 287	Wright, Samuel, Troy, Ohio. Corn-planter .....	Aug. 31, 1875	1066	341	8	385
	Wright, Simon, et al. (See Minor, John O., assignor.)					
162, 513	Wright, Walter, Tapleville, Mass. Valve for compound engines .....	Apr. 27, 1875	883	282	7	711
6, 393	Wright, William, New York, N. Y., assignor to Valley Machine Company, East Hampton, Mass. Steam-pump .....	Apr. 20, 1875	820	265	7	695
167, 815	Wright, William, Lincoln, Ill. Blind-stop .....	Sept. 14, 1875	494	130	8	471
159, 736	Wright, William A., Griffin, Ga. Hay and cotton press .....	Feb. 9, 1875	467	156	7	257
161, 466	Wright, William E., Rome, N. Y. Pea-kiln .....	Mar. 30, 1875	1159	374	7	538
	Wright, William F. (See Brooke & Wright.)					
	Wright, William H. (See Stroh, Samuel D., assignor.)					
163, 432	Wrightington, Charles D., Fairhaven, Mass. Brick and tile machine .....	May 18, 1875	675	216	7	859
163, 561	Wroth, Alfred B., assignor of two-thirds interest to E. G. Barker and George Atkinson. Winterset, Iowa. Level .....	May 18, 1875	799	253	7	874
165, 969	Wroth, Alfred B., Winterset, Iowa, assignor of one-half interest to George A. Atkinson. Washing-machine .....	July 27, 1875	837	257	8	159
168, 313	Wroth, Alfred B., assignor of two thirds interest to Samuel D. Kirkland and Charlotte Gordon, Winterset, Iowa. Wagon-reach .....	Sept. 28, 1875	886	283	8	555
163, 715	Wuerz, William, New York, N. Y. Child's carriage .....	May 25, 1875	946	300	7	901
165, 908	Wynderlich, John N., Philadelphia, Pa. Ironing-table .....	July 20, 1875	764	231	8	138
165, 649	Wurzner, Joseph, Chicago, Ill. Air-dried bricks .....	July 13, 1875	507	.....	8	87
161, 188	Wydenhagen, William, and John Biesler, Pittsburgh, Pa. Roll for forming the eyes of picks, &c. ....	Mar. 23, 1875	857	287	7	494
6, 813	Wyckoff, Arealous, assignor to Seamless Keg and Can Company, Elmira, N. Y. Barrel- machine .....	Dec. 21, 1875	787	260	8	1070
6, 814	Same .....	Dec. 21, 1875	788	260	8	1070
165, 399	Wyckoff, Frank C., New York, N. Y. Sink for oil-casks .....	July 6, 1875	216	74	8	42
170, 323	Wyckoff, William H., Lesser Cross-Roads, N. J. Carpet-rag looper .....	Nov. 23, 1875	996	312	8	889
169, 221	Wylie, Robert J., Marissa, Ill. Feed-cutter .....	Oct. 26, 1875	878	285	8	712
162, 329	Wyman, Frederick, San Buenaventura, Cal. Reel for harvesters .....	Apr. 20, 1875	682	222	7	678
168, 293	Wyman, Henry W., New York, N. Y. Ice-cream carrier .....	Sept. 28, 1875	793	252	8	541
6, 567	Wyman, Horace. (See Crompton & Wyman.)					
168, 394	Wyman, Horace, Worcester, Mass., assignor to George Crompton. Shuttle-box mechanism for looms .....	July 27, 1875	1053	323	8	150
158, 395	Same .....	Jan. 5, 1875	73	13	7	14
167, 379	Wyman, W. Forestus, Chelsea, Mass. Printing-press .....	Jan. 5, 1875	39	14	7	14
	Wyman, W. Forestus, Chelsea, Mass. Printing-press .....	Aug. 31, 1875	1168	338	8	397
166, 737	Wyncoop, Richard J. (See Laauve & Wyncoop.)					
162, 785	Wynd, Andrew S., Providence, R. I. Stopping-mechanism for looms .....	Aug. 17, 1875	546	167	8	293
165, 909	Wyss, Conrad V., and Henry Studer, Zurich, Switzerland. Motive-power engine .....	May 4, 1875	47	15	7	733
	Yacell, Charles M., Scottville, N. Y. Sheet-iron barrel .....	July 20, 1875	765	244	8	138
	Yaege, Bernard. (See Shaw & Yaeger.)					
165, 435	Yagle, William, et al. (See Reed, John C., assignor.)					
161, 737	Yagu, Nicolas, Syzrau, Russia. Feeding-apparatus for steam-boilers .....	July 13, 1875	301	90	8	57
169, 938	Yale, Charles O., New York, N. Y. Combination-lock .....	Apr. 6, 1875	118	42	7	566
	Same .....	Nov. 16, 1875	625	194	8	831
	Yarbrough, Fisher. (See Rush & Yarbrough.)					
	Yard & Sullivan. (See Jones, Henry B., assignor.)					
162, 210	Yardley, Elisha N., Tonganoxie, Kans. Attachment for plows .....	Apr. 20, 1875	575	188	7	665
	Yarnell, John F. (See Spencer, George F., assignor.)					
	Yates, Alvah P. (See Yates, John and Alvah P.)					
	Yates, James T. (See Addison & Yates.)					
158, 878	Yates, John, and Alvah P., Rockford, Ill. Stove-polish .....	Jan. 19, 1875	504	.....	7	109
167, 203	Yates, John H., and Charles R. Treat, Sharon, Wis. Nasal inhaler .....	Aug. 31, 1875	1021	317	8	315
128, 820	Yaw, Benoni, and Robert H. Mitchell, deceased, James J. Mitchell, administrator, New Concord, Ohio. Butter-worker .....	Jan. 19, 1875	452	159	7	102
161, 189	Yeager, William E., Lawrence, Kans. Carriage-how rest .....	Mar. 23, 1875	876	287	7	494
161, 850	Yeagly, John, Fredericksburgh, Ohio. Car coupling .....	Apr. 6, 1875	210	77	7	602
163, 562	Yeargin, Henry J., Liberty, Tenn. Combined land-roller and harrow .....	May 18, 1875	800	253	7	874
170, 735	Yeiser, Frederick, Danville, Ky. Spectacles .....	Dec. 7, 1875	128	42	8	968
162, 909	Yeomans, William H., Redditch, England. Needle-case .....	May 4, 1875	240	77	7	779
162, 451	Yerington, Henry W., Oceanic, N. J., assignor to Rowland C. Anthony, New York, N. Y. } Wire fastening for bottle-stoppers. ....	Apr. 20, 1875	806	261	7	693
164, 245	Same .....	June 8, 1875	381	130	7	993
164, 246	Same .....	June 8, 1875	383	130	7	994
164, 358	Yewell, John W., Washington, D. C. Device for holding and displaying brooms .....	June 8, 1875	495	163	7	1008

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	Yingst, Conrad S. (See Hall & Yingst.)					
158, 561	Yochei, Charles, et al. (See De Beaumont, Alexandre, assignor.)	Jan. 5, 1875	182	63	7	34
159, 737	Yocum, John, assignor of one-half interest to Levi Massecar, Dunnville, Canada. Plow..	Jan. 5, 1875	182	63	7	34
	York, Henry, Philadelphia, Pa. Folding table .....	Feb. 9, 1875	467	{ 156 157 }	7	257
	York, James E. (See Swift & York.)					
158, 879	York, John, Laona, N. Y. Sled-brake .....	Jan. 19, 1875	504	169	7	109
166, 912	Young, Alfred, Philadelphia, Pa. Vernier .....	Aug. 17, 1875	703	218	8	316
8, 491	Young, Alonzo E., Boston, Mass. Knob-shank .....	July 20, 1875			8	95
158, 821	Young, Barker C., Boston, Mass. Sewing-machine-operating mechanism .....	Jan. 19, 1875	153	151	7	103
159, 135	Same.....Gaiter-boot .....	Jan. 26, 1875	768	252	7	151
163, 211	Same.....Buckle.....	Apr. 20, 1875	576	189	7	665
169, 204	Young, Benjamin P., Boston, Mass. Clutch .....	Nov. 2, 1875	69	21	8	744
167, 723	Young, Charles A., Providence, R. I. Paper box .....	Sept. 14, 1875	313	100	8	458
170, 756	Young, Charles M., Meadville, Pa. Hay-loader .....	Dec. 7, 1875	129	43	8	968
163, 970	Young, Corinne, New York, N. Y. Ribbon-runner .....	July 27, 1875	837	257	8	159
168, 204	Young, David D., Indianapolis, Ind. Sign .....	Sept. 23, 1875	793	252	8	541
165, 910	Young, Edward, Sarnia, Canada. Machine for sawing hcops .....	July 20, 1875	765	234	8	138
	Young, Eliza. (See Colgrove, Austin E., assignor.)					
161, 585	Young, George S., Clearfield, Pa. Scroll-sawing machine .....	Mar. 30, 1875	1277	{ 410 411 }	7	554
166, 491	Young, Henry Z., Vicksburgh, Miss. Bale-tie clamp .....	Aug. 10, 1875	308	92	8	250
	Young, Hiram. (See Gilson, Samuel, assignor.)					
	Young, James D. (See Young, John Q. A. and James D.)					
162, 136	Young, John, Brooklyn, N. Y. Grato for stoves .....	Apr. 13, 1875	489	162	7	646
170, 615	Young, John A., assignor of one-half interest to William F. Cozzens, Saint Louis, Mo. Ventilating and heating furnace .....	Nov. 30, 1875	1282	405	8	936
166, 327	Young, John Q. A. and James D., Cedar Mill, Oreg. Car-coupling .....	Aug. 3, 1875	129	40	8	217
165, 523	Young, Lewis K., and Charles M. Ferguson, Bridgeport, Conn. Band-saw guide .....	July 13, 1875	387	115	8	69
	Young, L. L., et al. (See Bell, Jasper N., assignor.)					
160, 376	Young, McChintock, Frederick, Md. Machine for making matches.....	Mar. 2, 1875	104	38	7	363
	Young, Robert. (See McElroy & Young.)					
162, 452	Young, Samuel T., Howell, Mich. Car-coupling .....	Apr. 20, 1875	806	262	7	693
6, 571	Young, Solomon W., assignor, by mesne assignments, to John W. Hoard and Lyraan A. Cook, Providence, R. I. Wood-screw .....	Aug. 3, 1875	250	75	8	234
170, 216	Young, Thomas B., and Silas A. Davis, assignors of one-third interest to John A. Moore, Livermore, Ky. Adjustable graduated measure .....	Nov. 23, 1875	899	281	8	875
161, 190	Young, William, Troy, Iowa. Well-reamer .....	Mar. 23, 1875	876	288	7	494
163, 291	Young, William, Mabon, Nova Scotia. Plane-iron .....	July 6, 1875	133	49	8	27
168, 952	Young, William, Easton, Pa. Pump .....	Oct. 19, 1875	609	202	8	667
168, 205	Young, William D., assignor to Shoemberger & Co., Pittsburgh, Pa. Machine for rolling horseshoe-blanks .....	Sept. 28, 1875	794	252	8	541
170, 040	Youngs, Abner, Mishawaka, Ind. Spring bed-bottom .....	Nov. 16, 1875	708	225	8	843
165, 400	Yule, George, Newark, N. J. Machine for stretching bat-bodies .....	July 6, 1875	247	74	8	42
160, 634	Zacharias, Sallé, San Francisco, Cal. Stud fastening .....	Mar. 9, 1875	348	118	7	408
168, 702	Zane, George H., Shoemakertown, Pa. Potato-dropper .....	Oct. 11, 1875	373	122	8	625
169, 395	Zane, George H., Shoemakertown, and Samuel A. Kennedy, Philadelphia, Pa. Potato-dropper .....	Nov. 2, 1875	71	21	8	744
	Zapf, Edward. (See Nye & Zapf.)					
	Zarnfaller, Frederick. (See Severin, Aug., assignor.)					
	Zeigler, Charles W. (See Broadbent, Zeigler & Culver.)					
163, 563	Zeller, John P., South Bend, Ind. Plow.....	May 18, 1875	801	254	7	875
165, 144	Zengel, Joseph, Quincy, Ill. Apparatus for transmitting and regulating motion.....	June 29, 1875	1238	399	7	1132
162, 734	Ziegel, Peter, Nashville, Ill. Shot-charger .....	Apr. 27, 1875	1093	346	7	737
163, 958	Zimmer, Anna M., Elkhart, Ind. Wood-grinder for paper-pulp.....	June 1, 1875	99	34	7	944
	Zimmerman, Charles. (See Zimmerman, George F. S. and Charles.)					
163, 621	Zimmerman, George F. S. and Charles, Frederick, Md. Shutter bower and fastener .....	May 23, 1875	872	274	7	892
	Zimmerman, Henry. (See Kohler, Friedrich, assignor.)					
8, 357	Zimmerman, Henry, Chicago, Ill. Cigar-box..... (Design) .....	May 25, 1875			7	879
163, 564	Zimmerman, John, Mansfield, Ohio. Combined drier and bake-oven .....	May 18, 1875	802	254	7	875
170, 616	Zimmerman, Paul, Pittsburgh, Pa. Machine for flaring and crimping lamp-chimneys .....	Nov. 30, 1875	1283	405	8	936
160, 739	Zimmerman, William H., Chestertown, Md. Hydro-electric lamp .....	Mar. 9, 1875	445	148	7	421
160, 988	Zimmerman, William K., Chestertown, Md. Lamp-extinguisher.....	Mar. 16, 1875	685	225	7	461
163, 041	Zingler, Maximilian, London, England. Varnish .....	May 11, 1875	304		7	794
165, 145	Zinsser, William, New York, N. Y. Compound for preserving beer .....	June 29, 1875	1240		7	1132
	Ziph, George H., et al. (See Harwood, George D., assignor.)					
162, 990	Zirkle, Joseph M., New Market, Va. Truss.....	May 4, 1875	241	77	7	773
163, 716	Zoehe, Wilhelm F., Brooklyn, N. Y. Steering-propeller .....	May 25, 1875	947	301	7	901
163, 717	Zoller, Albert, Hoboken, N. J. Faucet attachment for barrels.....	May 25, 1875	948	301	7	802
	Zollner, Frederick. (See Newton & Zollner.)					
6, 287	Zwietusch, Otto, Milwaukee, Wis. Carbonic-acid-gas generator .....	Feb. 9, 1875	480	{ 160 161 }	7	260
161, 728	Same.....same .....	Apr. 6, 1875	120	42	7	586

## LIST OF PATENTS EXTENDED DURING THE YEAR 1875.

Number.	Name of inventor, invention, or discovery.	Date.
Reissue No. 4,959	Allyn, Timothy F. Spring for railway-cars..... (Reissued July 2, 1872)..	Jan. 15, 1861
Reissue No. 2,966	Ballou, Francis D. Mechanism for boot and shoe sewing machines..... (Reissued Mar. 31, 1868)..	Jan. 22, 1861
Original No. 31,147	Bell, A. John. Steamboat-staging.....	Jan. 22, 1861
Reissue No. 1,481	Brand, Nathan. Manufacture of hoc-blanks..... (Reissued May 26, 1863)..	Feb. 26, 1861
Reissue No. 1,482	Same..... same.....	Feb. 26, 1861
Reissue No. 1,735	Cahoon, Charles W. Lamp..... (Reissued Aug. 9, 1864)..	Feb. 19, 1861
Reissue No. 1,165	Colburn, George F. J. Evaporator for hot-air pipes..... (Reissued Apr. 2, 1861)..	Jan. 22, 1861
Reissue No. 4,884	Cooper, George. Needle..... (Reissued Apr. 30, 1872)..	Jan. 22, 1861
Original No. 31,533	Davis, Augustus B. Weighing apparatus.....	Feb. 26, 1861
Original No. 31,534	Same..... Scale-beam.....	Feb. 26, 1861
Original No. 31,443	Denison, Charles H. Felly-machine.....	Feb. 26, 1861
Reissue No. 1,476	Donaldson, Richard, deceased, by Margaret Donaldson, administratrix. Lime-kiln. (Reissued May 19, 1863)..	Feb. 19, 1861
Reissue No. 4,217	Dutton, Rufus. Harvester..... (Reissued Sept. 20, 1870; again reissued Dec. 27, 1870)..	Feb. 12, 1861
Original No. 28,470	Grant, Frederick T., deceased, by Charles C. Grant, administrator. Sliver-machine. (Extended by act of Congress Mar. 3, 1875)..	May 20, 1860
Original No. 31,315	Hardy, Charles. Machinery for grinding the card-teeth of carding-cylinders.....	Feb. 5, 1861
Original No. 14,535	Haseltine, John. Water-wheel..... (Extended by act of Congress Feb. 18, 1875)..	Mar. 25, 1856
Original No. 27,715	Hathaway, Joshua, deceased, by Ann J. Hathaway, executrix. Device for converting reciprocating into rotary-motion.....	Apr. 3, 1860
Original No. 31,168	Herring, Calvin L. Gas-regulator.....	Jan. 22, 1861
Original No. 31,082	Hofine, William. Machine for mixing dough.....	Jan. 8, 1861
Original No. 31,172	Jarrell, William. Plow.....	Jan. 22, 1861
Original No. 31,211	Langdon, Leander W. Sewing-machine.....	Jan. 22, 1861
Original No. 31,546	Lauth, Bernard. Polishing iron bars and rods.....	Feb. 26, 1861
Original No. 31,394	Linton, William, deceased, by Elizabeth Linton, administratrix. Molding pottery.....	Feb. 12, 1861
Original No. 31,252	McComb, J. J. Iron tie for cotton-bales.....	Jan. 20, 1861
Reissue No. 4,548	McDonald, Hiram. Wood-bending machine. (Reissued Sept. 12, 1871; again reissued Oct. 31, 1870)..	Jan. 22, 1861
Reissue No. 3,785	Milliken, William H. and John. Paper-folding machine..... (Reissued Jan. 4, 1870)..	Feb. 26, 1861
Reissue No. 3,786	Same..... Combined paper-folding machine and printing-press..... (Reissued Jan. 4, 1870)..	Feb. 26, 1861
Original No. 31,324	Murkland, William, deceased, by John Davis, administrator. Loom.....	Feb. 5, 1861
Reissue No. 4,269	Otis, Elisha G., deceased, by Benjamin T. Babbitt, administrator. Hoisting-apparatus. (Reissued Feb. 21, 1871)..... (Division A)..	Jan. 15, 1861
Reissue No. 4,270	Same..... same..... (Reissued Feb. 21, 1871)..... (Division B)..	Jan. 15, 1861
Reissue No. 4,271	Same..... same..... (Reissued Feb. 21, 1871)..... (Division C)..	Jan. 15, 1861
Original No. 31,579	Preston, Francis B. Corn-planter.....	Feb. 26, 1861
Reissue No. 5,045	Rice, Quartus. Sewing-machine..... (Reissued Aug. 27, 1872)..	Jan. 22, 1861
Original No. 31,330	Seward, Moses. Collar for ornamenta' carriage-work.....	Feb. 5, 1861
Reissue No. 4,834	Smith, Francis H., deceased, by Marshall P. Smith, executor. Drying fruits, vegetables, &c. (Reissued June 30, 1868; again reissued July 11, 1871; again reissued Mar. 26, 1872)..	Feb. 26, 1861
Reissue No. 5,827	Stafford, Daniel S., deceased, by Eliza T. Conklin, executrix. Cultivator. (Reissued Apr. 7, 1874).....	Jan. 15, 1861
Original No. 31,094	Thornton, William McK. Machine for creasing and finishing leather straps.....	Jan. 8, 1861
Original No. 39,199	Wheeler, Sarah J. Curry-omb.....	Jan. 22, 1861
Original No. 31,502	Wilder, R. A. Machine for breaking coal.....	Feb. 19, 1861

LIST OF TRADE-MARKS REGISTERED DURING THE YEAR 1875.

No.	Name, residence, and title.	Date of filing.	Date of registration.
3, 209	Adams & Co., New York, N. Y. Whisky.....	Dec. 3, 1875	Dec. 7, 1875
2, 412	Adams & Taylor, Boston, Mass. Whisky.....	Jan. 4, 1872	May 4, 1875
2, 413	Same.....Gin.....	Jan. 4, 1872	May 4, 1875
2, 414	Same.....Whisky.....	Jan. 4, 1872	May 4, 1875
2, 415	Same.....Gin.....	Jan. 4, 1872	May 4, 1875
2, 453	Same.....same.....	Jan. 4, 1872	May 11, 1875
2, 416	Adams, Blake & Taylor, Boston, Mass. Whisky.....	Jan. 15, 1872	May 4, 1875
2, 417	Same.....Gin.....	Mar. 1, 1872	May 4, 1875
2, 362	Adriance, Platt & Co., Poughkeepsie and New York, N. Y. Mowing and reaping machines.....	Nov. 21, 1872	Apr. 13, 1875
2, 944	Ager, Samuel, Sonerville, Mass. Yeast.....	July 6, 1875	Sept. 21, 1875
2, 218	Albright, Andrew, Newark, N. J. Hard-rubber-coated mountings for harness and carriages.....	Jan. 8, 1875	Feb. 9, 1875
3, 280	Alecs, George, New York, N. Y. Cigars.....	July 21, 1875	Dec. 28, 1875
2, 267	Allen & Co., R. H., New York, N. Y. Cotton-working machines.....	Feb. 24, 1875	Mar. 2, 1875
2, 937	Allen, Freeman S., Washington, D. C. Jewelry.....	Sept. 11, 1875	Sept. 14, 1875
2, 454	Allen's Sons, Josiah J., Philadelphia, Pa. Fertilizers.....	Apr. 15, 1875	May 11, 1875
2, 455	Same.....same.....	Apr. 15, 1875	May 11, 1875
2, 945	Alton Agricultural Works, Alton, Ill. Thrashers and separators.....	Aug. 6, 1875	Sept. 21, 1875
3, 222	Same.....Thrashing-machines.....	Dec. 4, 1875	Dec. 14, 1875
3, 078	Amazon Baking Powder Company, Louisville, Ky. Baking-powder.....	July 15, 1875	Oct. 19, 1875
2, 946	Amberg, William A., Chicago, Ill. Self-indexing files.....	July 31, 1875	Sept. 21, 1875
2, 947	Same.....same.....	Aug. 5, 1875	Sept. 21, 1875
2, 542	American Graphite Company, New York, N. Y. Plumbago or graphite lubricant.....	Mar. 15, 1872	May 18, 1875
3, 190	American Lubricating Oil Company, Cleveland, Ohio. Wool-oil.....	Nov. 16, 1875	Dec. 7, 1875
2, 775	American Tube Works, Boston, Mass. Seamless metal tubes.....	Sept. 28, 1870	July 20, 1875
2, 150	American Yeast Company, Fond du Lac, Wis. Yeast-cakes.....	Nov. 30, 1874	Jan. 5, 1875
3, 028	Ams, Max, New York, N. Y. Caviar.....	Sept. 23, 1875	Oct. 11, 1875
2, 601	Andrews, Joseph, New York, N. Y. Blacking.....	May 18, 1875	June 1, 1875
2, 998	Aquometer Steam Pump Company, Philadelphia, Pa. Steam-pumps and other steam and hydraulic apparatus.....	July 3, 1875	Oct. 5, 1875
2, 162	Arion Piano-Forte Company, New York, N. Y. Piano-fortes.....	Jan. 7, 1875	Jan. 12, 1875
2, 163	Same.....same.....	Jan. 7, 1875	Jan. 12, 1875
2, 857	Armstrong, Frank, Bridgeport, Conn. Hardware.....	Aug. 10, 1875	Aug. 31, 1875
2, 636	Atkins & Co., E. C., Indianapolis, Ind. Saws.....	May 6, 1875	June 8, 1875
2, 733	Same.....same.....	July 2, 1875	July 13, 1875
2, 456	Atkins & Ladd, New York, N. Y. Baking-powder.....	Apr. 10, 1875	May 11, 1875
2, 948	Atlantic and Virginia Fertilizing Company, New York, N. Y. Fertilizers.....	June 12, 1875	Sept. 21, 1875
3, 084	Same.....same.....	June 12, 1875	Oct. 26, 1875
2, 773	Atlantic White Lead Company, New York, N. Y. White lead.....	Nov. 3, 1870	July 20, 1875
2, 774	Same.....Refined boiled linseed-oil.....	Nov. 3, 1870	July 20, 1875
2, 700	Atmore & Son, Philadelphia, Pa. Mince-meat.....	July 21, 1871	July 6, 1875
2, 734	Same.....Canned plum pudding.....	June 12, 1875	July 13, 1875
2, 902	Atwood, Herman W., New York, N. Y. Toilet preparations.....	July 31, 1875	Sept. 7, 1875
2, 302	Avery & Sons, B. F., Louisville, Ky. Plows.....	Mar. 9, 1875	Mar. 23, 1875
2, 303	Same.....same.....	Mar. 9, 1875	Mar. 23, 1875
2, 304	Same.....same.....	Mar. 9, 1875	Mar. 23, 1875
2, 312	Same.....same.....	Mar. 9, 1875	Mar. 23, 1875
2, 328	Ayer & Co., J. C., Lowell, Mass. Medicine.....	Aug. 24, 1874	Mar. 30, 1875
2, 418	Babcock & Co., J. P., Stonington, Conn. Soap.....	Jan. 23, 1872	May 4, 1875
2, 746	Bachus, Frederick M., Cleveland, Ohio. Lubricating-oil.....	Mar. 27, 1871	July 20, 1875
3, 243	Baeder, Adamson & Co., Philadelphia, Pa. Glue, gelatine, and sizing.....	Oct. 22, 1875	Dec. 14, 1875
2, 990	Bailey, Edwin F., Ashtland, N. H. Leather-board.....	Aug. 25, 1875	Oct. 5, 1875
2, 903	Bailey Tool Company, Woonsocket, R. I. Wood-working tools.....	July 29, 1875	Sept. 7, 1875
2, 575	Bailey Washing and Wringing Machine Company, Woonsocket, R. I. Clothes-wringers.....	Feb. 5, 1873	May 25, 1875
2, 576	Same.....same.....	Feb. 5, 1873	May 25, 1875
2, 747	Baker & Brother, H. J., New York, N. Y. Castor-oil.....	Jan. 9, 1871	July 20, 1875
2, 748	Same.....same.....	Jan. 9, 1871	July 20, 1875
3, 148	Baltz, Charles, Chicago, Ill. Cured meats.....	Oct. 12, 1875	Nov. 23, 1875
2, 543	Bancs, Reuben, New Moorfield, Ohio. Liniment.....	Apr. 12, 1875	May 18, 1875
3, 102	Barber Match Company, Akron, Ohio. Friction-matches.....	Oct. 5, 1875	Nov. 8, 1875
2, 513	Barkhouse Brothers & Co., Louisville, Ky. Whisky.....	Nov. 25, 1871	May 18, 1875
2, 174	Barkley & Hasson, Baltimore, Md. Coffees.....	Jan. 14, 1875	Jan. 19, 1875
2, 175	Same.....same.....	Jan. 14, 1875	Jan. 19, 1875
2, 656	Barnes & Co., W. R., Baltimore, Md. Canned oysters and fruits.....	May 31, 1875	June 8, 1875
2, 796	Barnes, Wallace, Bristol, Conn. Clock-springs.....	Aug. 17, 1871	Aug. 3, 1875
3, 149	Barnett & Son, London, England, and Reims, France. Wines.....	Oct. 22, 1875	Nov. 23, 1875
2, 833	Bartlett & Co., H. A., Philadelphia, Pa. Stove-polish.....	Aug. 17, 1875	Aug. 24, 1875
2, 949	Same.....same.....	Aug. 26, 1875	Sept. 21, 1875
2, 514	Bartlett, Robbins & Co., Baltimore, Md. Kitchen ranges and stoves.....	Aug. 19, 1871	May 13, 1875
2, 858	Basset & Shaw, Boston, Mass. Umbrellas and parasols.....	July 21, 1875	Aug. 31, 1875
2, 275	Batebelor Brothers, Philadelphia, Pa. Cigars, tobacco, and snuff.....	Feb. 26, 1875	Mar. 9, 1875
2, 785	Bates, Benjamin, Baltimore, Md. Beer.....	Feb. 7, 1871	July 27, 1875
2, 786	Same.....same.....	Apr. 21, 1871	July 27, 1875
2, 787	Same.....Tonic beer.....	Sept. 26, 1872	July 27, 1875
2, 859	Same.....Beer.....	Aug. 23, 1875	Aug. 31, 1875
2, 515	Baxter, Bell & Co., New York, N. Y. White lead, zinc, and paints.....	Apr. 24, 1875	May 18, 1875
2, 338	Bay State Iron Company, Boston, Mass. Pig-iron.....	June 8, 1872	Apr. 6, 1875
2, 339	Same.....Plate-metal.....	June 8, 1872	Apr. 6, 1875
2, 457	Beach, Abel, Iowa City, Iowa. Writing-paper.....	Dec. 14, 1872	May 11, 1875
3, 077	Beard, Albert O., Philadelphia, Pa. Shirts.....	Sept. 10, 1875	Oct. 19, 1875
2, 938	Beckert, Charles, Allegheny, Pa. Cigars.....	June 18, 1875	Sept. 14, 1875
2, 516	Beckwith, Philo D., Dowagiac, Mich. Stoves.....	Nov. 19, 1872	May 18, 1875
3, 253	Beeber & Co., M., Gloversville and New York, N. Y. Gloves.....	Sept. 27, 1875	Dec. 21, 1875
2, 363	Bell & Co., R. W., Buffalo, N. Y. Soap.....	Mar. 22, 1875	Apr. 13, 1875
2, 364	Same.....same.....	Mar. 8, 1875	Apr. 13, 1875
2, 860	Same.....same.....	Aug. 6, 1875	Aug. 31, 1875
3, 191	Same.....same.....	Nov. 17, 1875	Dec. 7, 1875
2, 191	Benjamin, Henry A., San Francisco, Cal. Medicinal or mineral waters.....	Oct. 26, 1874	Jan. 26, 1875
2, 389	Beriot, Francis D., New York, N. Y. Copyable printing and writing inks.....	Apr. 14, 1875	Apr. 20, 1875
2, 517	Bishop & Co., R. M., Cincinnati, Ohio. Soap.....	Aug. 26, 1872	May 18, 1875
2, 722	Bissell & Moore Manufacturing Company, New York, N. Y. Saws.....	May 2, 1871	July 6, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2,657	Bissell, Frank S., Pittsburgh, Pa. Grates	Apr. 17, 1875	May 8, 1875
2,770	Blanchard's Sons, Porter, Concord, N. H. Churns	Nov. 8, 1870	July 20, 1875
2,129	Blatchley, Charles G., Philadelphia, Pa. Pumps	Feb. 23, 1871	Nov. 16, 1875
2,204	Bliss & Aiken, New York, N. Y. Cotton cassimeres	Jan. 23, 1875	Feb. 2, 1875
2,901	Bloomer, King & Co., New York, N. Y. Shirts	Aug. 10, 1875	Sept. 7, 1875
3,103	Same	Oct. 2, 1875	Nov. 2, 1875
2,701	Blome & Co., New York, N. Y. Chicory	Jan. 31, 1871	July 6, 1875
3,078	Bodkin & McKinney, Hoboken, N. J. Washing-fluid	Aug. 2, 1875	Oct. 19, 1875
3,013	Boehm & Co., Frank, New York, N. Y. Wines and spirits	Mar. 23, 1875	Oct. 5, 1875
3,059	Bolenius & Co., G. H., Baltimore, Md. Cigars	Aug. 7, 1875	Oct. 19, 1875
2,159	Bonnet, Duffly & Co., Quincy, Ill. Cooking-stove	Dec. 28, 1874	Jan. 12, 1875
3,166	Bortler & Dickey, New York, N. Y., and Philadelphia, Pa. Flannels and cottonades	July 10, 1875	Nov. 23, 1875
2,787	Bortree & Co., M. K., Jackson, Mich. Corsets	Aug. 18, 1875	Sept. 28, 1875
2,674	Bortree & Co., M. R., Chicago, Ill. Flour	Apr. 19, 1875	June 15, 1875
2,577	Boston Lead Company, Boston, Mass. Lead for painters' use	Feb. 23, 1874	May 25, 1875
2,518	Bourke & Co., F. G., New York, N. Y. Metallic paint	Dec. 17, 1870	May 18, 1875
2,458	Bowdlear & Co., S. G., Boston, Mass. Oat-meal	Apr. 14, 1875	May 11, 1875
3,192	Bowles & Wilkins, Chicago, Ill. Railway-journal bearings	Nov. 23, 1875	Dec. 7, 1875
2,432	Boyd & Co., G., Philadelphia, Pa. Roasted coffee	Apr. 21, 1875	May 4, 1875
3,125	Boydton, Malloy & Co., New York, N. Y. Hats, caps, furs, and straw goods	June 7, 1875	Nov. 9, 1875
2,789	Boyle, John, Brooklyn, N. Y., assignor to Marshall Jewell. Mail-bags	June 30, 1875	July 27, 1875
2,245	Brainerd, Armstrong & Co., New York, N. Y., and Philadelphia, Pa. Sewing-silk	Dec. 26, 1874	Feb. 16, 1875
2,707	Brayley, James, Buffalo, N. Y. Thrashing-machine	Feb. 23, 1871	Aug. 3, 1875
2,798	Same	Mar. 3, 1871	Aug. 3, 1875
2,197	Brenaman & Co., Charles H., Baltimore, Md. Cigars	Dec. 18, 1874	Feb. 2, 1875
2,637	Bridgewater Iron Company, Bridgewater, Mass. Seamless drawn tubes	May 5, 1875	June 8, 1875
2,812	Brinkley, I. B., Baltimore, Md. Hermetically-sealed canned goods	July 27, 1875	Aug. 10, 1875
2,905	Britton, Benjamin F., New York, N. Y. Combs	Aug. 5, 1875	Sept. 7, 1875
2,920	Same	Aug. 5, 1875	Sept. 7, 1875
3,254	Brock & Wiener, Buffalo, N. Y. Pantaloon's and coats	Dec. 10, 1875	Dec. 21, 1875
2,379	Brolahne, William, New York, N. Y. Cutlery	Apr. 3, 1875	Apr. 13, 1875
2,861	Brower & Co., New York, N. Y. Chemical compound	July 3, 1875	Aug. 31, 1875
2,950	Brown & Brothers, Waterbury, Conn. Brass, German silver, and silver-plated goods	July 24, 1875	Sept. 21, 1875
2,459	Brown & Co., D. Arthur, Fisherville, N. H. Wagon-axes	Nov. 19, 1870	May 11, 1875
2,133	Brown & Co., E., Jersey City, N. J. Tonic or bitters	Mar. 18, 1875	May 4, 1875
2,400	Brown & Co., S. N., Dayton, Ohio. Wagons	Oct. 17, 1871	May 11, 1875
2,519	Brown & Sons, John L., Boston, Mass. Bronchial troches	Sept. 7, 1871	May 18, 1875
3,255	Brown Chemical Company, C. F., New York, N. Y. Liniment	Apr. 18, 1874	Dec. 21, 1875
2,419	Brown, Frederick, Philadelphia, Pa. Essence of Jamaica ginger	Feb. 24, 1872	May 4, 1875
3,000	Brown, Robert B., Saint Louis, Mo. Castor-oil	Aug. 28, 1875	Oct. 5, 1875
3,041	Brown, William W., Boston, Mass. Medicine for rheumatism	May 10, 1875	Oct. 19, 1875
3,073	Brunswick and Balke Company, J. M., Chicago, Ill., and Cincinnati, Ohio. Billiard-cue racks	Sept. 24, 1875	Oct. 19, 1875
2,461	Buehner, David, New York, N. Y. Tobacco	May 3, 1875	May 11, 1875
2,602	Buck Brothers, Millbury, Mass. Chisels, plane-irons, and other light edge-tools	May 24, 1875	June 1, 1875
2,313	Bullock, Charles, Cambridge, Mass. Dentifrices	Jan. 27, 1875	Mar. 23, 1875
3,060	Bullocke, J., and J. B. Locke, New York, N. Y. Linen and cotton fabrics	Sept. 11, 1875	Oct. 19, 1875
2,788	Bunte & Armstrong, Terre Haute, Ind. Cod-liver oil	Aug. 4, 1875	Sept. 28, 1875
3,053	Burecy Chemical Company, Waterbury, Conn. Spirits produced by the fermentation and distillation of wood and woody fiber	Aug. 20, 1875	Oct. 19, 1875
2,834	Burehell, Norval W., Washington, D. C. Tea	Aug. 14, 1875	Aug. 24, 1875
2,363	Burger, Theodore W., Plainfield, N. J. Sheet-metal cans and boxes	Apr. 5, 1875	Apr. 20, 1875
3,281	Burkholder & Wilson, Bendersville, Pa. Fertilizers	Mar. 17, 1875	Dec. 28, 1875
2,702	Burks, Charles F., Fresno, Cal. Fly-catcher	May 31, 1875	July 6, 1875
2,158	Burlock Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Shirts	Dec. 4, 1874	Jan. 5, 1875
2,380	Burnham, Edwin R., Chicago, Ill. Medical compound	Mar. 16, 1875	Apr. 13, 1875
2,384	Same	Mar. 16, 1875	Apr. 20, 1875
3,224	Burns, Robert H., and Charles Drew, Boston, Mass. Lamp wicks or wicking	Nov. 11, 1875	Dec. 14, 1875
2,164	Burr & Co., M. S., Boston, Mass. Nursing-bottles	Dec. 21, 1874	Jan. 12, 1875
3,104	Butler & Norwood, Boston, Mass. Gummy or resinous extract of old varnish	Oct. 19, 1875	Nov. 2, 1875
2,544	Byrne Brothers & Co., New York, N. Y. Bitters	May 11, 1875	May 18, 1875
2,462	Cable Flax Mills, Schlaghticoke, N. Y. Twines, yarns, shoe-threads, &c.	Apr. 1, 1875	May 11, 1875
3,151	Callaghan, Frank P., Chicago, Ill. Mixed paints	Oct. 4, 1875	Nov. 23, 1875
2,672	Camp Lounge Company, Troy, N. Y. Camp-lounges	Jan. 18, 1875	June 15, 1875
2,899	Campion & Co., J. W., Philadelphia, Pa. Medical preparation	Aug. 13, 1875	Sept. 7, 1875
3,130	Candee & Co., L., New Haven, Conn. India-rubber boots and shoes	Oct. 19, 1875	Nov. 16, 1875
2,790	Canfield, Samuel W., Piermont, N. Y. Condensed and fresh milk	June 19, 1875	July 27, 1875
2,826	Same	June 19, 1875	Aug. 17, 1875
3,001	Carrick, John, Bayonne, N. J. Medicine	Aug. 25, 1875	Oct. 5, 1875
2,603	Carrick & Co., David, Philadelphia, Pa. Crackers, biscuits, cakes, &c.	May 19, 1875	June 1, 1875
2,791	Carsley, Hiram, Lynn, Mass. Broom and tool holders	June 30, 1875	July 27, 1875
2,320	Cassidy, John E., Boston, Mass. Whisky	Apr. 8, 1872	May 18, 1875
2,951	Cassidy, John E., Watertown, Mass. Whisky	July 31, 1875	Sept. 21, 1875
3,061	Same	July 31, 1875	Oct. 19, 1875
2,952	Chadwick, Robert, Lower Merion, Pa. Miner's lamp wick	July 22, 1875	Sept. 21, 1875
3,150	Chamberlain, Elizabeth E., Portland, Me. Medicine	Oct. 25, 1875	Nov. 23, 1875
2,314	Chesetron h & Burrows, Philadelphia, Pa. Lard, beef-tongues, hams, and other cured meats	Mar. 9, 1875	Mar. 23, 1875
2,461	Chesvalier & Co., F., San Francisco, Cal. Whisky	Sept. 4, 1872	May 11, 1875
2,290	Chipman & Co., George W., Boston, Mass. Carpet-lining and stair-pads	Feb. 26, 1875	Mar. 9, 1875
2,365	Clark & Co., Buffalo, N. Y. Builder's hardware	Mar. 4, 1875	Apr. 13, 1875
2,813	Same	Aug. 4, 1875	Aug. 10, 1875
2,894	Same	July 30, 1875	Aug. 31, 1875
2,366	Clark & Co., William M., Boston, Mass. Medicine	Apr. 5, 1875	Apr. 20, 1875
2,836	Clark & Huntington, New York, N. Y. Baking-powder	Apr. 2, 1875	Aug. 4, 1875
2,420	Clark, Giles O., College Point, N. Y., assignor to G. O. Clark & Co. Liniment	July 30, 1872	May 4, 1875
2,521	Clark, James L., Oshkosh, Wis. Friction-matches	Sept. 14, 1872	May 18, 1875
2,565	Clark Thread Company, Newark, N. J. Spool-thread	Aug. 3, 1872	May 18, 1875
2,546	Same	Aug. 3, 1875	May 18, 1875
2,704	Clauberg, Wilhelm, Solingen, Prussia. Cutlery and surgical instruments	May 11, 1872	July 6, 1875
2,953	Cleis, George, Gosheu, Ind. Liniment	July 19, 1875	Sept. 21, 1875
2,749	Clemson, F. C., Philadelphia, Pa. Bitters	Apr. 23, 1875	July 20, 1875
2,547	Cleveland, Orestes, Jersey City, N. J. Lead-pencils	Aug. 10, 1872	May 18, 1875
2,549	Same	Aug. 10, 1872	May 18, 1875
2,549	Same	Aug. 10, 1872	May 18, 1875
2,550	Same	Aug. 10, 1872	May 18, 1875
2,551	Same	Aug. 10, 1872	May 18, 1875
2,552	Same	Aug. 10, 1872	May 18, 1875
2,553	Same	Aug. 10, 1872	May 18, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2,554	Cleveland, Orestes, Jersey City, N. J. Lead-pencils	Aug. 10, 1872	May 18, 1875
2,555	Same..... same	Aug. 10, 1872	May 18, 1875
2,556	Same..... Lead	Aug. 10, 1872	May 18, 1875
2,557	Same..... Lead-pencils	Aug. 10, 1872	May 18, 1875
2,675	Cluett, Bro. & Co. George B. Troy, N. Y. Bosom-shirts	June 7, 1875	June 15, 1875
2,913	Coats, J. & P., Paisley, Scotland. Spool-cotton	Jan. 25, 1875	Feb. 9, 1875
3,282	Same..... Counter-boxes for spool-cotton	Dec. 22, 1875	Dec. 28, 1875
3,193	Coffin & Woodward, Boston, Mass. Pumps	Nov. 22, 1875	Dec. 7, 1875
3,009	Cohen, Andrew J., Philadelphia, Pa. Champagne wine	Aug. 19, 1875	Oct. 5, 1875
3,126	Cohen, John B., Philadelphia, Pa. Cigars	Aug. 26, 1875	Nov. 9, 1875
2,750	Coleman, H. Dudley, New Orleans, La. Corn and wheat mills	June 11, 1872	July 20, 1875
2,578	Colgate & Co., New York, N. Y. Soap, toilet preparations, &c.	July 8, 1872	May 25, 1875
2,579	Same..... same	July 8, 1872	May 25, 1875
3,079	Collender, Hugh W., Darien, Conn. Billiard-tables	Sept. 17, 1875	Oct. 19, 1875
2,558	Comstock, Castle & Co., Quincy, Ill. Stoves	Dec. 10, 1870	May 18, 1875
2,209	Consolidated Tobacco Company, Gilroy, Cal. Cigars and tobacco	Jan. 27, 1875	Feb. 2, 1875
3,007	Consolidated Tobacco Company, San Francisco and Gilroy, Cal. Tobacco and cigars	July 3, 1875	Oct. 5, 1875
3,008	Same..... same	July 3, 1875	Oct. 5, 1875
3,085	Same..... Manufactured tobacco and cigars	Oct. 2, 1875	Oct. 26, 1875
2,385	Conway, William, Philadelphia, Pa. Soap	Apr. 9, 1875	Apr. 20, 1875
2,665	Cook, J. W. & V., Clifton, Oreg. Salted, pickled, and preserved salmon	June 5, 1875	June 15, 1875
3,194	Conley, Bigelow & Nichols, New York, N. Y. Corset-clasp	Nov. 18, 1875	Dec. 7, 1875
2,165	Copcutt & Co., W. H., Yonkers, N. Y. Sewing-silk and twist	Jan. 4, 1875	Jan. 12, 1875
2,166	Same..... same	Jan. 4, 1875	Jan. 12, 1875
2,319	Corbett, Otis, Chicago, Ill. Washing-powder	Mar. 11, 1875	Mar. 30, 1875
2,262	Corbett, Scoville & Co., Chicago, Ill. Washing-powder	Apr. 21, 1874	Mar. 2, 1875
3,256	Corwin, John M., Brooklyn, N. Y. India-rubber goods	Nov. 16, 1874	Dec. 21, 1875
2,268	Couch, Cordelia, New Haven, Conn. Liniment	Feb. 16, 1875	Mar. 2, 1875
2,658	Cowles & Co., C., New Haven, Conn. Carriage-hardware	May 20, 1875	May 8, 1875
2,735	Coyle, Laughlin & Co., Philadelphia, Pa. Roasted and ground coffee and ground spices	June 28, 1875	July 13, 1875
2,827	Craig, John A., Philadelphia, Pa. Medicine	June 19, 1875	Aug. 17, 1875
2,814	Crittenton, Charles N., New York, N. Y. Insect-powder	May 26, 1875	Aug. 10, 1875
2,815	Same..... Soap	June 12, 1875	Aug. 10, 1875
2,906	Crocker, Lemmel L., Buffalo, N. Y. Fertilizers	July 12, 1875	Sept. 7, 1875
2,862	Crommelin, Theodore, New York, N. Y. Brackets, children's saving-banks, &c.	Jan. 23, 1874	Jan. 31, 1875
2,522	Culter & Proctor, Peoria, Ill. Stoves and stove-trimmings	Nov. 18, 1872	May 18, 1875
2,193	Cunningham, Robert, San Francisco, Cal. Tea	Oct. 12, 1874	Feb. 2, 1875
3,152	Cupples & Co, Samuel, Saint Louis, Mo. Axle-grease	Sept. 16, 1875	Nov. 23, 1875
2,465	Daddow, Samuel H., Saint Clair, Pa. Blasting squibs and fuses	Oct. 21, 1872	May 11, 1875
2,192	Daggett, Handel N., Attleborough, Mass. Worsted braids	Dec. 14, 1874	Jan. 26, 1875
2,329	Daly & Co., P. A., New York, N. Y. Silk fabrics	Mar. 25, 1875	Mar. 30, 1875
2,864	Davis & Co., W. C., Cincinnati, Ohio. Wood-stoves for cooking purposes	July 31, 1875	Aug. 31, 1875
3,153	Davis & Son, Perry, Providence, R. I. Medicine	July 25, 1871	Nov. 23, 1875
2,604	Day & Co., Leonard, Minneapolis, Minn. Flour	May 8, 1875	June 1, 1875
2,605	Same..... same	May 8, 1875	June 1, 1875
2,606	Same..... same	May 8, 1875	June 1, 1875
2,607	Day, Rollins & Co., Minneapolis, Minn. Flour	Apr. 17, 1875	June 1, 1875
2,608	Same..... same	Apr. 5, 1875	June 1, 1875
2,609	Same..... same	Apr. 17, 1875	June 1, 1875
2,610	Same..... same	Apr. 17, 1875	June 1, 1875
2,228	De Bary & Co., F., New York, N. Y. Cigars	Feb. 1, 1875	Feb. 16, 1875
2,466	Same..... Champagne wine	Dec. 21, 1872	May 11, 1875
2,467	Same..... Cigars	Jan. 18, 1873	May 11, 1875
2,500	Same..... same	Apr. 19, 1875	May 25, 1875
2,659	Same..... same	May 8, 1875	June 8, 1875
2,666	Same..... same	May 12, 1875	June 15, 1875
2,925	Same..... same	June 21, 1875	Sept. 14, 1875
2,926	Same..... same	June 21, 1875	Sept. 14, 1875
2,776	De Ford & Thayer, Baltimore, Md. Leaf-tobacco	July 13, 1875	July 20, 1875
2,907	De Forest, William H., New York, N. Y. Silk goods	July 22, 1875	Sept. 7, 1875
2,400	De Grieff & Co., A., New York, N. Y. Black silk dress-goods	Apr. 12, 1875	Apr. 20, 1875
2,254	Deland, Annie, New York, N. Y. Cosmetic	Feb. 13, 1875	Feb. 23, 1875
2,837	Deming, Joseph C., Norfolk, Va. Stationery	July 31, 1875	Aug. 24, 1875
2,908	Detroit Polish Company, Detroit, Mich. Polishing-powder	Aug. 18, 1875	Sept. 7, 1875
3,010	Devlin & Co., New York, N. Y. Overcoats	Sept. 25, 1875	Oct. 5, 1875
3,011	Same..... same	Sept. 25, 1875	Oct. 5, 1875
3,012	Same..... same	Sept. 25, 1875	Oct. 5, 1875
3,225	Dewey & Co., A. G., Hartford, Vt. Satinets or woolen cloths	Dec. 6, 1875	Dec. 14, 1875
3,226	Same..... same	Dec. 6, 1875	Dec. 14, 1875
2,777	Dick, Charles J. A., Pittsburgh, Pa. Bronze-alloy and articles made therefrom	July 10, 1874	July 20, 1875
3,002	Dick, Charles J. A., Philadelphia, Pa. Metallic alloys and articles of use or ornament made therefrom	Aug. 7, 1875	Oct. 5, 1875
3,080	Dillingham, Horace E., New York, N. Y. Fancy knit woolen goods	June 30, 1875	Oct. 19, 1875
2,205	Dittmer, Frederick, Detroit, Mich. Cigars	Jan. 22, 1875	Feb. 2, 1875
2,559	D. ckmn & Son, Thomas, New York, N. Y. Medicated brandies	Apr. 30, 1875	May 18, 1875
3,131	Dodd, Frederick, Philadelphia, Pa. Hats, caps, and hatters' supplies	Oct. 30, 1875	Nov. 16, 1875
2,287	Dorman, Will B., Georgetown, Mass. Perfumery	Jan. 13, 1875	Mar. 16, 1875
3,172	Douglas & Co., Richard, New York, N. Y. Lamp chimneys and shades	Sept. 23, 1875	Nov. 30, 1875
2,851	Douglas Axe Manufacturing Company, Douglas, Mass. Axes, &c.	Dec. 8, 1870	Aug. 24, 1875
2,852	Same..... same	Dec. 8, 1870	Aug. 24, 1875
2,176	Douglas, W. & B., Middletown, Conn. Pumps	Jan. 12, 1875	Jan. 19, 1875
2,177	Same..... same	Jan. 12, 1875	Jan. 19, 1875
2,178	Same..... same	Jan. 12, 1875	Jan. 19, 1875
2,828	Donglass & Co., William B., Washington, D. C. Medicine	June 29, 1872	Aug. 17, 1875
3,154	Downie, William, Boston, Mass. Lubricating-oils	Oct. 22, 1875	Nov. 23, 1875
2,560	Drisler, Furman & Alexander, New York, N. Y. Baking-powder	Apr. 22, 1875	May 18, 1875
2,807	Dugdale & Girvin, Baltimore, Md. Fertilizer	Nov. 9, 1870	Aug. 3, 1875
2,808	Same..... same	Nov. 9, 1870	Aug. 3, 1875
3,173	Dumm, Abraham B., Zanesville, Ohio. Furniture-polish	Sept. 4, 1875	Nov. 30, 1875
2,691	Dunbar & Sons, G. W., New Orleans, La. Cordials, sirups, and preserves	May 31, 1875	June 22, 1875
2,704	Same..... Anisette	May 24, 1875	July 6, 1875
2,705	Same..... same	May 24, 1875	July 6, 1875
3,105	Dunbar, McMaster & Co., Gilford, Ireland. Linen threads	Sept. 16, 1875	Nov. 2, 1875
2,167	Dundas, Dick & Co., New York, N. Y. Medicines	Jan. 2, 1875	Jan. 12, 1875
2,247	Dunham, William E., Fall River, Mass. Silver-polish	Jan. 14, 1875	Feb. 23, 1875
3,237	Dunn, John, Orange, N. J. Shovels and spades	Dec. 6, 1875	Dec. 21, 1875
3,042	Durand, Dominique, New York, N. Y. Silvered glass	Sept. 6, 1875	Oct. 19, 1875
2,263	Durkee & Co., E. R., New York, N. Y. Food made from wheat	Feb. 20, 1875	Mar. 2, 1875

## List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2, 320	Dutcher Temple Company, Hopedale, Mass. Loom-templates	Aug. 2, 1871	Mar. 30, 1875
3, 132	Duwel, Charles, Cincinnati, Ohio. Smoking-tobacco	Oct. 23, 1875	Nov. 16, 1875
2, 468	Eagle Pencil Company, New York, N. Y. Lead-pencils	Apr. 29, 1875	May 11, 1875
2, 410	Eagle Preserved Fish Company, New York, N. Y. Preserved fish	Apr. 10, 1875	Apr. 20, 1875
2, 581	Eagle Tanning Works, Chicago, Ill. Leather	Aug. 18, 1871	May 25, 1875
2, 330	Earle, James W., New York, N. Y. Coffee, spices, mustard, &c	Mar. 16, 1875	Mar. 30, 1875
2, 909	Eastman & Brooke, Philadelphia, Pa. Washing-blue	Aug. 16, 1875	Sept. 7, 1875
2, 179	Eddy Brothers, New York, N. Y. Soap, perfumery, &c	Dec. 28, 1874	Jan. 19, 1875
2, 469	Emmert, William P., Freeport, Ill. Churns	May 1, 1875	May 11, 1875
2, 831	Empire Mill Company, Saint Louis, Mo. Flour	Aug. 14, 1875	Aug. 31, 1875
3, 237	Same	Dec. 3, 1875	Dec. 14, 1875
3, 174	Eppley, Francis M., Newark, N. J. Medicated whisky	Nov. 13, 1875	Nov. 30, 1875
3, 195	Ernst, Henry, New York, N. Y. Bitters	Nov. 19, 1875	Dec. 7, 1875
2, 533	Estey & Co., J., Brattleborough, Vt. Stup for reed-organs	Dec. 29, 1871	May 18, 1875
2, 524	Same	Sept. 7, 1871	May 18, 1875
2, 305	Evans Brothers, Cincinnati, Ohio. Hams, &c	Jan. 24, 1873	Mar. 23, 1875
2, 838	Evans, Clow, Dalzell & Co., Pittsburgh, Pa. Wrought-iron pipe	Sept. 1, 1870	Aug. 24, 1875
2, 470	Evans, Lippencot & Cunningham, Cincinnati, Ohio. Hams	June 15, 1872	May 11, 1875
2, 611	Excelsior Flint Glass Company, Pittsburgh, Pa. Glass lamp-chimneys	Apr. 19, 1875	June 1, 1875
2, 612	Same	Apr. 19, 1875	June 1, 1875
2, 761	Excelsior Needle Company, Wolcottville, Conn. Sewing-machine needles	Oct. 22, 1871	May 18, 1875
3, 133	Faber, Eberhard, Port Richmond, N. Y. Rubber erasers	Nov. 4, 1875	Nov. 16, 1875
2, 573	Fairbank & Co., N. K., Chicago, Ill. Lard, lard-oil, and neat's-foot oil	May 11, 1875	Mar. 18, 1875
3, 043	Falk, M., New York, N. Y. Tobacco and cigars	Aug. 11, 1875	Oct. 19, 1875
2, 281	Farr Alpaca Company, Holyoke, Mass. Alpacas	Jan. 28, 1875	Mar. 9, 1875
2, 525	Farrand, Williams & Co., Detroit, Mich. Patriots	May 8, 1875	May 13, 1875
3, 155	Farrington & Schwahl, Chicago, Ill. Cigars	July 22, 1875	Nov. 23, 1875
3, 156	Same	July 22, 1875	Nov. 2, 1875
3, 210	Farrington, Campbell & Co., Detroit, Mich. Washing-soap	Nov. 23, 1875	Dec. 7, 1875
3, 327	Farrington, William P., Providence, R. I. Cigars	Dec. 6, 1875	Dec. 14, 1875
2, 954	Felder, Charles, Newark, N. J. Fluting-machines	July 31, 1875	Sept. 21, 1875
2, 199	Feldman & Schnorman, Allentown, Pa. Cigars	Jan. 18, 1875	Feb. 2, 1875
3, 106	Ferris, Frank A., New York, N. Y. Smoked and pickled meats	Oct. 8, 1875	Nov. 2, 1875
3, 175	Fick & Chase, Baltimore, Md. Canned oysters, fruits, and vegetables	Nov. 17, 1875	Nov. 30, 1875
3, 676	Filbert, Lewis S., Philadelphia, Pa. Pavements	May 6, 1875	June 15, 1875
2, 613	Fillette, Theodore, New York, N. Y. Bitters	May 22, 1875	June 1, 1875
2, 706	Filley, Giles F., Saint Louis, Mo. Cooking-stove	May 13, 1871	July 6, 1875
2, 388	Filley, Marcus L., Lausingsburgh, N. Y. Cooking stove	Dec. 23, 1874	Mar. 16, 1875
2, 429	Finkle & Lyon Manufacturing Company, Middletown, Conn. Sewing-machines	Dec. 20, 1871	May 4, 1875
2, 185	Fischer & Co., C. H., New York, N. Y. Prepared washing-soda	Jan. 7, 1875	Jan. 26, 1875
2, 919	Same	Jan. 7, 1875	Feb. 9, 1875
2, 789	Same	July 2, 1875	Sept. 28, 1875
2, 220	Fisher, J. Hyde, Chicago, Ill. Refrigerators	Jan. 29, 1875	Feb. 9, 1875
3, 029	Fisk & Co., L. I., Springfield, Mass. Soap	Sept. 1, 1875	Oct. 11, 1875
2, 221	Flaxland & Co., Edouard, Paris, Franco. Fancy and other dry goods	Feb. 2, 1875	Feb. 9, 1875
2, 222	Same	Feb. 2, 1875	Feb. 9, 1875
1, 265	Fleitmann & Co., New York, N. Y. Italian cloth and farmer's satin	Dec. 11, 1875	Dec. 21, 1875
3, 266	Same	Dec. 11, 1875	Dec. 21, 1875
2, 471	Fleming, Cochran, Sewickley, Pa. Medicine	Mar. 23, 1872	May 11, 1875
2, 472	Same	Mar. 23, 1872	May 11, 1875
2, 526	Same	Mar. 23, 1872	May 18, 1875
2, 751	Flues, Spielman & Wolff, New York, N. Y. Braids	May 31, 1875	July 20, 1875
2, 401	Focht & Co., D., Philadelphia, Pa. Coffees, teas, and spices	Apr. 10, 1875	Apr. 20, 1875
2, 434	Same	Apr. 26, 1875	May 4, 1875
2, 664	Foley, John, Dayton, Ohio. Balsam	June 14, 1875	Aug. 31, 1875
2, 665	Same	June 14, 1875	Aug. 31, 1875
2, 255	Foote, Arthur W., Brooklyn, N. Y. Cigars	Feb. 5, 1875	Feb. 23, 1875
2, 895	Foote, Truman S., New Haven, Conn. Tonics	July 19, 1875	Aug. 31, 1875
2, 421	Forrest River Lead Company, Salem, Mass. Lead	May 16, 1872	May 4, 1875
2, 256	Forster & Stowell, Philadelphia, Pa. Tooth-paste	Feb. 6, 1875	Feb. 23, 1875
2, 306	Fort Plain Spring and Axle Works, Fort Plain, N. Y. Steel springs and axles	Dec. 24, 1872	Mar. 23, 1875
2, 956	Foster & Merrill, Boston, Mass. Shirts	Aug. 6, 1875	Sept. 21, 1875
2, 955	Foster, George F., Brooklyn, N. Y. Spool-thread	Aug. 6, 1875	Sept. 21, 1875
2, 677	Foster, Hilson & Co., New York, N. Y. Cigars	May 15, 1875	June 15, 1875
2, 186	Fongera & Co., E., New York, N. Y. Drugs	Jan. 14, 1875	Jan. 20, 1875
1, 228	Foundry Supply Company, Boston, Mass. Mineral paint	Oct. 27, 1875	Dec. 14, 1875
2, 473	Fowle, Henry D., Boston, Mass. Medical preparation	Apr. 1, 1875	May 11, 1875
2, 826	Fowler, Anderson, New York, N. Y. Lard, pork, &c	June 22, 1875	Aug. 31, 1875
2, 736	Fox & Kohn, L., New York, N. Y. Wine	June 21, 1875	July 13, 1875
3, 107	Fralick & Meese, Saint Paul, Minn. Books	Oct. 2, 1875	Nov. 2, 1875
2, 678	Frank & Co., Buffalo, N. Y. Combined planing and matching machines	Apr. 29, 1875	June 15, 1875
2, 474	Franko, Louis, New York, N. Y. Silk goods	Apr. 3, 1875	May 11, 1875
2, 151	Freedman, Hesslein & Co., Detroit, Mich. Cigars	Dec. 12, 1874	Jan. 5, 1875
3, 157	Same	Aug. 24, 1875	Nov. 23, 1875
3, 158	Same	Aug. 24, 1875	Nov. 23, 1875
2, 402	Freiberg & Workum, Cincinnati, Ohio. Distilled spirits	Mar. 29, 1875	Apr. 20, 1875
2, 910	Same	Aug. 24, 1870	Sept. 7, 1875
2, 790	French, Richards & Co., Philadelphia, Pa. Liquid and paste paints	July 17, 1875	Sept. 28, 1875
2, 679	Frost & Co., George, Boston, Mass. Articles of ladies' and children's wear	June 8, 1875	June 15, 1875
2, 475	Fuller & Co., D. B., Philadelphia, Pa. Cakes, crackers, and biscuits	May 5, 1875	May 11, 1875
2, 168	Fuller, Warren & Co., Troy, N. Y. Cooking-stoves	Jan. 2, 1875	Jan. 12, 1875
2, 360	Same	Mar. 27, 1875	Apr. 6, 1875
2, 570	Galena Oil Works, Franklin, Pa. Lubricating-oil	Feb. 17, 1872	May 18, 1875
2, 799	Gall, Joseph, New York, N. Y. Spectacles and eyeglasses	Feb. 5, 1875	Aug. 3, 1875
2, 829	Galt, William M., Washington, D. C. Flour	July 24, 1871	Apr. 17, 1875
2, 340	Ganz, George F., New York, N. Y. Baking-powder	Apr. 16, 1872	Apr. 6, 1875
2, 582	Garbutt & Co., Elmer H., New York, N. Y. Coffee, spices, baking-powder, &c	Apr. 18, 1872	May 25, 1875
3, 229	Garrett, William H., Saint Louis, Mo. Wagons	Dec. 3, 1875	Dec. 14, 1875
3, 108	Gaullicur, Henry, New York, N. Y. Cigars and tobacco	Oct. 11, 1875	Nov. 2, 1875
2, 928	Gennert, Gottlieb, Greenville, N. J. Albumen-paper	Aug. 6, 1875	Sept. 14, 1875
2, 867	Gibson & Tyler, Minneapolis, Minn. Woven woolen fabrics	July 31, 1875	Aug. 31, 1875
3, 242	Gilbert & Co., John, Philadelphia, Pa. Druggists' preparations	Oct. 28, 1875	Dec. 14, 1875
2, 306	Gilbert, Colgate, Buffalo, N. Y. Starch	Jan. 11, 1875	Feb. 2, 1875
2, 583	Gill & Looz, Boston, Mass. Gin	Oct. 26, 1871	May 25, 1875
2, 321	Gillender & Co., Arthur, Hopedale, Mass. Fine-cut chowing-tobacco	Feb. 19, 1872	Mar. 30, 1875
2, 567	Gillespie, Zeller & Co., Philadelphia, Pa. Coffee	June 2, 1875	June 15, 1875
2, 839	Gillet & Co., Martin, New York, N. Y., and Baltimore, Md. Tea	July 13, 1875	Aug. 21, 1875



List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2, 840	Gillet & Co., Martin, New York, N. Y., and Baltimore, Md. Fans	July 17, 1875	Aug. 24, 1875
2, 841	Same..... same	July 17, 1875	Aug. 24, 1875
2, 842	Same..... same	July 17, 1875	Aug. 24, 1875
2, 843	Same..... same	July 29, 1875	Aug. 24, 1875
2, 844	Same..... same	July 29, 1875	Aug. 24, 1875
2, 366	Gillett, Allen H., Syracuse, N. Y. Whisky	Apr. 3, 1875	Apr. 13, 1875
2, 752	Same..... same	Jan. 26, 1871	July 20, 1875
2, 927	Gilmore & Co., A. G., Scranton, Pa. Spices	July 14, 1875	Sept. 14, 1875
2, 638	Gilmore & Son, W., Pavilion, N. Y. Gilmore's neuralgia-cure	Apr. 27, 1875	June 8, 1875
2, 809	Gladstone & Ferguson, New York, N. Y. Fever and ague cure	June 19, 1875	Aug. 3, 1875
3, 066	Glahn, Frederick, Green Bay, Wis. Cigars	Sept. 10, 1875	Oct. 26, 1875
2, 680	Glazier, Brother & Co., John J., Philadelphia, Pa. Hosiery	May 17, 1875	June 15, 1875
2, 403	Glen Cove Starch Manufacturing Company, New York, N. Y. Starch	Mar. 6, 1875	Apr. 20, 1875
2, 404	Same..... Preparation of corn-flour	Apr. 10, 1875	Apr. 20, 1875
2, 639	Same..... Corn-flour	May 28, 1875	June 8, 1875
2, 939	Same..... same	Sept. 10, 1875	Sept. 14, 1875
2, 845	Glines, George E., Brooklyn, N. Y. Paint	May 5, 1875	Aug. 24, 1875
3, 196	Globe Oil Company, Parkersburgh, W. Va. Lubricating-oils	Nov. 19, 1875	Dec. 7, 1875
3, 159	Glover & Co., J., New York, N. Y. Oils and pastes	Nov. 6, 1875	Nov. 23, 1875
2, 753	Goddard, Edward A., Brooklyn, N. Y. Gimlet	May 21, 1875	July 20, 1875
2, 257	Goldsmith & Newburgh, Cincinnati, Ohio. Cigars	Feb. 18, 1875	Feb. 23, 1875
2, 584	Goldstone, Moses A., Toronto, Canada. Chemical compound	May 10, 1875	May 25, 1875
2, 754	Goodwin & Co., George C., Boston, Mass. Cologne	May 28, 1875	July 20, 1875
3, 030	Gordon, Gerald, Philadelphia, Pa. Food for horses and cat-tlo	Aug. 30, 1875	Oct. 11, 1875
2, 289	Gorrell, Bonfield, Hopewell, Md. Medicine	Mar. 9, 1875	Mar. 16, 1875
2, 264	Gowdey & Co., C. L., New York, N. Y. Medicine	Feb. 13, 1875	Mar. 2, 1875
2, 331	Graff, Watkins & Co., Philadelphia, Pa. Boots and shoes	Mar. 24, 1875	May 30, 1875
3, 044	Graham, George W., Philadelphia, Pa. Leather-preservative and water-proof polish	Aug. 18, 1875	Oct. 19, 1875
2, 422	Graves, Chester H., Boston, Mass. Alcohol	Nov. 20, 1871	May 4, 1875
3, 003	Green, Lewis M., Woodbury, N. J. Medical preparation	Sept. 18, 1875	Oct. 5, 1875
3, 004	Same..... Medical preparations	Sept. 18, 1875	Oct. 5, 1875
2, 921	Greenville Manufacturing Company, Providence, R. I. Cotton fabrics	Aug. 31, 1875	Sept. 7, 1875
3, 134	Griffith & Byrne, New York, N. Y. Printing-press	Oct. 19, 1875	Nov. 16, 1875
3, 031	Griffith & Drakeley, Baltimore, Md. Canned fruits and vegetables	Sept. 15, 1875	Oct. 11, 1875
2, 341	Grover and Baker Sewing-Machine Company, Boston, Mass. Sewing-machines	Aug. 23, 1872	Apr. 6, 1875
2, 660	Guerlain, Aimé, Paris, France. Perfumeries, cosmetics, and soaps	Feb. 25, 1875	June 8, 1875
3, 067	Haas, George, New York, N. Y. Lead-pencils	Sept. 25, 1875	Oct. 26, 1875
2, 574	Haenel, F., New Orleans, La. Cigars	May 12, 1875	May 18, 1875
2, 180	Hainemann & Steiner, New York, N. Y. Paints	Nov. 30, 1874	Jan. 19, 1875
2, 527	Haines, John P., Irvington, N. Y. Oil-cans	Apr. 3, 1871	May 18, 1875
3, 109	Haley & Co., Charles C., New York, N. Y. Pop-beer	Oct. 2, 1875	Nov. 2, 1875
2, 342	Hall & Kennell, New York, N. Y. Moth-proof fabric	Mar. 13, 1875	Apr. 6, 1875
3, 160	Halliday Bros., Cairo, Ill. Flour	Nov. 8, 1875	Nov. 23, 1875
3, 161	Same..... same	Nov. 8, 1875	Nov. 23, 1875
3, 162	Same..... same	Nov. 8, 1875	Nov. 23, 1875
2, 476	Hamblet, James W., Brooklyn, N. Y. Coffee	May 3, 1875	May 11, 1875
2, 160	Hamilton & Co., Fort Wayne, Ind. Baking-powders	Dec. 18, 1874	Jan. 12, 1875
2, 332	Hamilton Woolen Company, Southbridge, Mass. Cotton prints	Mar. 22, 1875	Mar. 30, 1875
2, 477	Same..... Cotton and woolen fabrics	July 5, 1872	May 11, 1875
2, 478	Same..... same	July 5, 1872	May 11, 1875
2, 528	Same..... Cotton, woolen, and o'her fabrics	Feb. 28, 1872	May 18, 1875
2, 757	Same..... Cotton prints	Apr. 9, 1875	July 20, 1875
2, 957	Hankinson, William H., New York, N. Y. Carpets	Feb. 17, 1875	Sept. 21, 1875
2, 307	Harbison & Walker, Pittsburg, Pa. Fire-brick	Mar. 9, 1875	Mar. 23, 1875
2, 308	Same..... same	Mar. 9, 1875	Mar. 23, 1875
2, 810	Harkness, Charles, Cincinnati, Ohio. Candles	June 5, 1871	Aug. 3, 1875
3, 045	Harley & Co., Parker C., Arlington, Mass. Copied pictures	Aug. 12, 1875	Oct. 19, 1875
2, 290	Harned & Co., Brooklyn, N. Y. Cigars	Mar. 5, 1875	Mar. 16, 1875
2, 367	Harp, Robert J., New Orleans, La. Writing-paper	Apr. 3, 1875	Apr. 13, 1875
3, 189	Harrall, William K., Thomas B., and De Witt C. Chamberlain, Clarinda, Iowa. Plows	Nov. 1, 1875	Nov. 30, 1875
3, 081	Harris & Co., J. N., Cincinnati, Ohio. Medicine	July 25, 1875	Oct. 19, 1875
2, 214	Harris Brothers, New York, N. Y. Kid gloves	Jan. 25, 1875	Feb. 9, 1875
2, 269	Same..... Kid or lambskin gloves	Dec. 8, 1874	Mar. 2, 1875
2, 758	Harris, Richmond & Shafer, New York, N. Y. Clothiers' and tailors' trimmings	May 27, 1871	July 20, 1875
2, 753	Same..... same	May 27, 1871	July 20, 1875
2, 816	Same..... same	May 27, 1871	Aug. 10, 1875
2, 737	Hart, Hugh L., Washington, D. C. Roach and insect powders	June 30, 1875	July 13, 1875
2, 755	Hartman & Co., S. B., Lancaster, Pa. Bitters	Mar. 8, 1871	July 20, 1875
2, 529	Hawley, Alfred A., Methuen, Mass. Water-proof material	Jan. 31, 1872	May 18, 1875
2, 562	Haworth & Williams, Newark, N. J. Cigars	Sept. 26, 1872	May 18, 1875
3, 025	Hay Company, Allan, New York, N. Y. Soap	Sept. 22, 1875	Oct. 11, 1875
2, 788	Hay, Henry H., Portland, Me. Medicine	Jan. 3, 1871	July 27, 1875
3, 110	Healy, Patrick, New York, N. Y. Gloves	Oct. 8, 1875	Nov. 2, 1875
3, 124	Heath & Co., Doctor, Washington, D. C. Medical compound	Sept. 25, 1875	Nov. 2, 1875
2, 640	Hecht Brothers, New York, N. Y. Fans	May 13, 1875	June 8, 1875
2, 641	Same..... same	May 13, 1875	June 8, 1875
2, 642	Same..... same	May 13, 1875	June 8, 1875
2, 643	Same..... same	May 13, 1875	June 8, 1875
3, 046	Hedges & Co., W. N., Springfield, Ohio. Hair-dressing preparation	Dec. 24, 1874	Oct. 19, 1875
2, 681	Heidet, George F., New York, N. Y. Toy balloons	May 20, 1875	June 15, 1875
2, 682	Same..... same	May 20, 1875	June 15, 1875
2, 696	Same..... same	May 20, 1875	July 6, 1875
2, 229	Heinrich, Charles, Plainfield, N. J. Salves	Feb. 18, 1875	Feb. 16, 1875
2, 365	Heinz, Noble & Co., Pittsburgh, Pa. Pickles and vinegar	Feb. 18, 1875	Mar. 2, 1875
2, 911	Heiter & Gaus, New York, N. Y. Umbrellas and parasols	Aug. 6, 1875	Sept. 7, 1875
2, 152	Hellenberg & Loewenstein, New York, N. Y. Neck-ties	Dec. 24, 1874	Jan. 5, 1875
2, 405	Heller & Brothers, Newark, N. J. Rasps and files	Apr. 5, 1875	Apr. 20, 1875
2, 800	Heller & Merz, New York, N. Y. Wash-blue	May 8, 1875	Aug. 3, 1875
2, 801	Same..... Ultramarine blue	May 8, 1875	Aug. 3, 1875
3, 032	Helmick, Frederick W., Cincinnati, Ohio. Cabinet-organs	Sept. 16, 1875	Oct. 11, 1875
2, 756	Henarie, Daniel V. B., San Francisco, Cal. Whisky	Jan. 26, 1871	July 20, 1875
3, 047	Hendrick, Eli E., Carbondale, Pa. Lubricating and illuminating oils	Sept. 23, 1875	Oct. 19, 1875
2, 291	Henry, Curran & Co., John F., New York, N. Y. Medicine	Feb. 14, 1875	Mar. 6, 1875
2, 791	Heppenheimer & Manrer, New York, N. Y. Cigars, &c	June 18, 1875	Sept. 26, 1875
2, 760	Hernsheim, Simon, New Orleans, La. Leaf-tobacco	Feb. 27, 1871	July 20, 1875
2, 868	Herzberg, Moritz, New York, N. Y. Bitters	July 9, 1875	Aug. 31, 1875
3, 163	Heywood & Co., S. R., Worcester, Mass. Boots	Sept. 22, 1875	Nov. 23, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2, 274	Higginum Manufacturing Company, Higganum, Conn. Grinding-mills for fruit, &c.	Feb. 24, 1875	Mar. 2, 1875
2, 253	Same. Plows.	Apr. 9, 1875	Aug. 24, 1875
3, 211	Higgins & Co., Charles S., Brooklyn, N. Y. Soap.	Apr. 30, 1875	Dec. 7, 1875
3, 212	Same. Laundry-soap.	Nov. 27, 1875	Dec. 7, 1875
2, 707	Hilebrand & Wolf, Philadelphia, Pa. Locks and hardware.	Feb. 11, 1871	July 6, 1875
2, 530	Hill & Co., James R., Concord, N. H. Harness.	Nov. 14, 1871	May 18, 1875
2, 464	Hill, Asa, deceased, by Ira Cole, administrator. Stopping for dental purposes.	Mar. 30, 1875	May 11, 1875
2, 585	Hinrichs, Charles F. A., New York, N. Y. Lamp-chimney.	Nov. 3, 1871	May 25, 1875
3, 111	Hinrichs, Charles F. A., Brooklyn, N. Y. Lumps.	Oct. 16, 1875	Nov. 2, 1875
2, 708	Hobart, John H., jr., Catawissa, Pa. Medal.	Sept. 12, 1874	July 6, 1875
2, 479	Hoffheimer Brothers, Cincinnati, Ohio. Whisky.	Apr. 28, 1875	May 11, 1875
2, 709	Same. same.	June 9, 1875	July 6, 1875
2, 896	Holmes, John A., Boston, Mass. Medicine.	Aug. 21, 1875	Aug. 31, 1875
2, 710	Holmes, Thomas J., Boston, Mass. Atomizers for perfuming, &c.	Aug. 24, 1871	July 6, 1875
3, 267	Holtzmann & Deutschberger, New York, N. Y. Cigars and tobacco.	Dec. 15, 1875	D. c. 2, 1875
2, 711	Horner, Joshua, jr., Baltimore, Md. Fertilizers.	Oct. 14, 1871	July 6, 1875
2, 761	Hooper & Townsend, Philadelphia, Pa. Boiler-rivets.	June 3, 1875	July 20, 1875
2, 876	Hooper, Henry N., Dedham, Mass. Commercial fertilizers.	Jan. 13, 1875	Mar. 9, 1875
2, 614	Hopkins & Robinson Manufacturing Company, Akron, Ohio. Clay pipes.	May 5, 1875	June 1, 1875
2, 169	Hopstock & Co., A. E., Newark, N. J. Varnishes.	Dec. 28, 1874	Jan. 12, 1875
3, 135	Hosstetter & Smith, Pittsburgh, Pa. Medicine.	Mar. 29, 1871	Nov. 16, 1875
2, 531	Houchin Manufacturing Company, New York, N. Y. Pocket cook-stoves.	May 8, 1875	May 18, 1875
2, 683	Hough, Henry C., Providence, R. I. Medicine.	May 28, 1875	June 15, 1875
2, 258	Houston, George P., Washington, D. C. Pocket spirit-stoves.	Feb. 16, 1875	Feb. 23, 1875
3, 088	Howard, Charles H., Randolph, Mass. Boots and shoes.	Oct. 5, 1875	Oct. 26, 1875
3, 005	Howes, Edward K., San Francisco, Cal. Coolers and refrigerators.	Aug. 21, 1875	Oct. 5, 1875
2, 282	Hubbard, Cyrus A., Haddam, Conn. Holland gin.	Feb. 26, 1875	Mar. 9, 1875
2, 668	Hunt, George S., Sacramento, Cal., and Benjamin F. Hunt, Saint Louis, Mo. Anti-friction metal.	May 24, 1875	June 15, 1875
3, 197	Hunt, George S. and Benjamin E., Saint Louis, Mo. Anti friction metal.	Nov. 23, 1875	Dec. 7, 1875
3, 198	Same. same.	Nov. 23, 1875	Dec. 7, 1875
2, 615	Huntley, Holcomb & Heine, Silver Creek, N. Y. Bolting-cloths.	May 10, 1875	June 1, 1875
2, 181	Husbands, Joseph D., jr., Saint Louis, Mo. Fire-kindlers and prepared fuel.	Jan. 14, 1875	Jan. 19, 1875
2, 644	Hutchinson, Hannah S., Boston, Mass. Ladies' and children's dresses and under-garments.	May 26, 1875	June 8, 1875
2, 563	Hutchinson, Samuel, jr., Salem, Mass. Oiling apparatus.	Apr. 22, 1875	May 18, 1875
2, 869	Jobs, Meyer & Co., Saint Louis, Mo. Flour.	June 16, 1875	Aug. 31, 1875
2, 933	India Rubber Comb Company, New York and College Point, N. Y. Combs.	June 2, 1875	Sept. 14, 1875
2, 934	Same. Goods made out of the hard compound of India rubber.	June 2, 1875	Sept. 14, 1875
3, 096	Same. Combs, druggists' articles, &c. made of hard rubber.	Sept. 28, 1875	Oct. 26, 1875
3, 169	Same. Combs, druggists' articles, and other goods made of hard rubber.	Sept. 28, 1875	Nov. 23, 1875
3, 170	India Rubber Comb Company, New York, N. Y. India-rubber combs.	Oct. 26, 1875	Nov. 23, 1875
2, 684	Ives, Beecher & Co., New York, N. Y. Brandy.	May 15, 1875	June 15, 1875
2, 480	I X L Metal Company, Saint Louis, Mo., and Sacramento, Cal. Anti-friction metal and journal-bearings.	Jan. 27, 1873	May 11, 1875
2, 203	Jackson & Brother, Oswald, New York, N. Y. Whiskies.	Aug. 26, 1873	Feb. 2, 1875
2, 364	Jackson & Co., James A., Saint Louis, Mo. Stomach-bitters.	Aug. 23, 1870	Apr. 13, 1875
2, 616	Jackson, Isaac L., New York, N. Y. Composition for printers' inking-rollers.	May 21, 1875	June 1, 1875
2, 322	Jacoby & Co., S., New York, N. Y. Cigars.	Dec. 9, 1875	Mar. 33, 1875
2, 651	Same. same.	May 26, 1877	June 8, 1875
2, 632	Same. same.	May 26, 1877	June 8, 1875
2, 816	Janney & Andrews, Philadelphia, Pa. Coffee, spices, and mustard.	Jan. 17, 1875	Aug. 24, 1875
2, 770	Jenkins & Brother, F. W., Pittsburgh, Pa. Flour.	June 25, 1875	Aug. 31, 1875
2, 871	Same. same.	June 14, 1875	Aug. 31, 1875
2, 223	Jenkins, Capers & Co., Richmond, Va. Whisky.	Feb. 1, 1875	Feb. 9, 1875
2, 408	Jenkins, Raymond, Brooklyn, N. Y. Toys.	Apr. 6, 1875	Apr. 20, 1875
2, 292	Jenkins, Thomas C., Pittsburgh, Pa. Flour.	Nov. 16, 1874	Mar. 16, 1875
2, 872	Same. same.	Aug. 9, 1875	Aug. 31, 1875
2, 387	Jennings & Co., E., Chicago, Ill. Shirts.	Mar. 22, 1875	Apr. 20, 1875
2, 153	Jervey, William E., New Orleans, La. Illuminating-oil.	Dec. 21, 1874	Jan. 5, 1875
2, 339	Jewett, Shearman & Co., Milwaukee, Wis. Baking-powder.	Dec. 13, 1872	Mar. 23, 1875
2, 230	Jewett, Sherman & Co., Milwaukee, Wis. Mustards.	Feb. 3, 1875	Feb. 16, 1875
3, 014	Jex & Co., William, New York, N. Y. Butter.	Sept. 8, 1875	Oct. 5, 1875
3, 176	Johnson, Sidney C., Detroit, Mich. Canned oysters.	Aug. 7, 1875	Nov. 30, 1875
2, 897	Johnson, William J., Newton, Mass. Force-pumps.	July 29, 1875	Aug. 31, 1875
2, 738	Jones & Lyman, Cleveland, Ohio. Platform-scales.	May 8, 1875	July 13, 1875
3, 268	Jones Brothers & Co., Richmond, Va. Manufactured cigars and tobacco.	Dec. 11, 1875	Dec. 21, 1875
3, 083	Jones, John W., Portland, Me. Hermetically-sealed goods.	Aug. 13, 1875	Oct. 19, 1875
2, 167	Joniaux & Co., Ed., Brussels, Belgium. Gloves.	June 28, 1875	Aug. 10, 1875
3, 243	Juvenal, William A., Philadelphia, Pa. Axle-grease.	Dec. 6, 1875	Dec. 14, 1875
2, 388	Kahn, L. & M., New York, N. Y. Watch-movements.	Apr. 8, 1875	Apr. 20, 1875
2, 231	Kaiser, Julius, Pittsburgh, Pa. Medicine.	Feb. 4, 1875	Feb. 16, 1875
2, 315	Keith Paper Company, Turner's Falls, Mass. Account-book paper.	Mar. 12, 1875	Mar. 23, 1875
2, 481	Kemp, Day & Co., New York, N. Y. Canned goods.	May 3, 1875	May 11, 1875
2, 986	Kendall Manufacturing Company, Providence, R. I. Soap.	Mar. 8, 1875	Mar. 16, 1875
2, 316	Kerbs & Spiess, New York, N. Y. Cigars.	Mar. 6, 1875	Mar. 23, 1875
2, 685	Kibbe, Chaffee & Co., Philadelphia, Pa. Hosiery.	June 5, 1875	June 15, 1875
3, 043	Kidder & Co., William F., New York, N. Y. Fever and ague pad.	July 22, 1875	Oct. 11, 1875
2, 317	Kieper & Co., New York, N. Y. Ribbons.	Mar. 1, 1875	Mar. 23, 1875
3, 112	Kimball & Jewett, Shediac, Canada. Canned lobsters.	Oct. 8, 1875	Nov. 2, 1875
2, 617	Kioney, Francis S., New York, N. Y. Cigars, cheroots, and cigarettes.	May 22, 1875	June 1, 1875
2, 618	Same. same.	May 22, 1875	June 1, 1875
2, 645	Same. Cigars, cheroots, cigarettes, and smoking-tobacco.	May 22, 1875	June 8, 1875
2, 646	Same. same.	May 22, 1875	June 8, 1875
2, 712	Same. same.	May 22, 1875	July 6, 1875
3, 042	Kirk & Co., James S., Chicago, Ill. Soap.	Aug. 20, 1875	Oct. 19, 1875
2, 992	Kissling & Co., T. F. X., Lockport, N. Y. Medicine.	Aug. 25, 1875	Sept. 23, 1875
2, 762	Kittredge & Co., B., Cincinnati, Ohio. Double-barrel breech-loading guns.	May 21, 1875	July 20, 1875
2, 209	Kleinberger, Sigismund, New York, N. Y. Corsets.	Apr. 10, 1875	Apr. 20, 1875
2, 763	Kloman, Park & Co., Pittsburgh, Pa. Axes.	May 5, 1875	July 20, 1875
3, 213	Knapp, Borrell & Co., Portland, Oreg. Thrashing-machine.	Nov. 10, 1875	Dec. 7, 1875
2, 343	Knoepfel, William H., New York, N. Y. Bitters.	Sept. 24, 1871	Apr. 6, 1875
2, 344	Same. same.	Jan. 24, 1873	Apr. 6, 1875
3, 177	Koch, Andrew, New York, N. Y. Bottles.	Oct. 20, 1875	Nov. 30, 1875
3, 164	Koch, Arnold, Pittsburgh, Pa. Bitters.	Oct. 29, 1875	Nov. 23, 1875
2, 619	Kohnle & Gerken, Philadelphia, Pa. Ale, porter, and beer.	Apr. 13, 1875	June 1, 1875
2, 958	Kraft & Co., Edward, New York, N. Y. Soap.	Aug. 2, 1875	Sept. 24, 1875
3, 136	Kraft & Co., J. G., Baltimore, Md. Canned goods.	Sept. 13, 1875	Nov. 16, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing	Date of registration.
3, 113	Kremer Brothers & Co., Detroit, Mich. Cigars	Sept. 17, 1875	Nov. 2, 1875
2, 232	Kroeber, Florence, Hoboken, N. J. Clocks	Feb. 5, 1875	Feb. 16, 1875
2, 233	Same same	Feb. 5, 1875	Feb. 16, 1875
2, 234	Same same	Feb. 5, 1875	Feb. 16, 1875
2, 235	Same same	Feb. 5, 1875	Feb. 16, 1875
2, 236	Same same	Feb. 5, 1875	Feb. 16, 1875
2, 600	Kubely, John E., New York, N. Y. Lager-beer	Mar. 24, 1875	June 1, 1875
3, 040	Same Lager-beer, white-beer, ale, and porter	Sept. 18, 1875	Oct. 19, 1875
3, 049	Kumpf, Peter, Detroit, Mich. Cigars	Aug. 14, 1875	Oct. 19, 1875
2, 369	Kuinkel, Edwin F., Philadelphia, Pa. Medicines	Mar. 27, 1875	Apr. 11, 1875
2, 816	Kwong On Cheong, San Francisco, Cal. Tea	June 26, 1874	Aug. 24, 1875
3, 214	Landsberg, Moses G., New York, N. Y. Bitters	Nov. 23, 1875	Dec. 7, 1875
2, 482	Langdon Manufacturing Company, Manchester, N. H. Shirtings, &c.	Feb. 28, 1872	May 11, 1875
2, 929	Langell, Daniel, Apple Creek, Ohio. Medical compound	June 23, 1875	Sept. 14, 1875
2, 345	Lathes, William, New York, N. Y. Spring beds	Mar. 13, 1875	Apr. 6, 1875
2, 930	Lathrop, Lebbens W., New York, N. Y. Machinery-bearings	June 26, 1875	Sept. 14, 1875
2, 873	Lautz Brothers & Co., Buffalo, N. Y. Soap	July 8, 1875	Aug. 31, 1875
3, 215	Same same	July 12, 1875	Dec. 7, 1875
2, 821	Lawrence & Sons, Daniel, Boston, Mass. Medford rum	Jan. 11, 1871	Aug. 10, 1875
2, 621	Lawson Chemical Company, Cleveland, Ohio. Medicine	Jan. 25, 1875	June 1, 1875
2, 635	Lazear & Co., Jesse, Baltimore, Md. Tobacco, cigars, and snuff	May 24, 1875	June 1, 1875
2, 411	Leach, James, Paskack, N. J. Commercial note-paper	Apr. 15, 1875	Apr. 17, 1875
2, 483	Lee & Brothers, Ridgewood, N. Y. Medicine	Jan. 14, 1871	May 11, 1875
3, 094	Lee Ping & Poon Jib, San Francisco, Cal. Teas	Sept. 29, 1875	Oct. 26, 1875
2, 802	Leidy, Francis D., Philadelphia, Pa. Washing-crystal	July 26, 1875	Aug. 3, 1875
2, 948	Leippe, Jacob A., Lancaster, Pa. Shafts, spokes, &c., for vehicles	Jan. 27, 1875	Feb. 23, 1875
2, 957	Leisler & Sommerhoff, New York, N. Y. Satin goods	June 26, 1875	Sept. 21, 1875
2, 370	Lessey & Young, Philadelphia, Pa. Corset-steels	Mar. 29, 1875	Apr. 13, 1875
2, 333	Les Sœurs de L'asile de la Providence de Montreal, Montreal, Canada. Cough-sirup	Mar. 24, 1875	May 30, 1875
3, 090	Lester Oil Company, New York, N. Y. Lubricating-oil	Sept. 18, 1875	Oct. 26, 1875
2, 960	Leszynsky & Troup, New York, N. Y. Gin	July 24, 1875	Sept. 21, 1875
3, 269	Levy, Isaac, New York, N. Y. Playing-cards	Dec. 13, 1875	Dec. 21, 1875
3, 270	Same same	Dec. 13, 1875	Dec. 21, 1875
3, 244	Lewis, Albert B., Coventry, R. I. Button	Dec. 1, 1875	Dec. 14, 1875
2, 182	Lewis & Co., Chicago, Ill. Table-sauce	Jan. 12, 1875	Jan. 19, 1875
3, 165	Lewis Brothers, San Francisco, Cal. Cigars	Sept. 13, 1875	Nov. 23, 1875
2, 739	Lewis, Brown & Co., Boston, Mass. Knitted goods	June 29, 1875	July 13, 1875
2, 828	Lewis, Ephraim G., Pittsylvania County, Va. Medicine	Feb. 5, 1875	Feb. 16, 1875
3, 258	Libby & Co., William H., New York, N. Y. Petroleum distillates and residues	Nov. 27, 1875	Dec. 21, 1875
2, 686	Lichtenstein & Brother, A., New York, N. Y. Cigars	May 31, 1875	June 15, 1875
2, 687	Same same	May 31, 1875	June 15, 1875
3, 062	Same Cigars and tobacco	Sept. 16, 1875	Oct. 19, 1875
3, 063	Same same	Sept. 16, 1875	Oct. 19, 1875
2, 237	Lichtenstein Brothers & Co., New York, N. Y. Cigars	Jan. 25, 1875	Feb. 16, 1875
2, 792	Same same	June 17, 1875	July 27, 1875
2, 793	Same same	June 17, 1875	July 27, 1875
2, 794	Same Cigars and tobacco	July 17, 1875	July 27, 1875
3, 114	Lieber, Benjamin, New York, N. Y. Whisky	Oct. 18, 1875	Nov. 2, 1875
3, 115	Lighte & Co., F. C., New York, N. Y. Pianos	Oct. 2, 1875	Nov. 2, 1875
2, 484	Lilienthal & Co., San Francisco, Cal. Whisky	Apr. 23, 1875	May 11, 1875
2, 824	Same Bourbon whisky	July 9, 1875	Aug. 10, 1875
2, 825	Same same	July 9, 1875	Aug. 10, 1875
2, 406	Lincoln Manufacturing Company, Providence, R. I. Soap	Apr. 6, 1875	Apr. 20, 1875
2, 346	Lipps, Christopher, Baltimore, Md. Soap	Mar. 31, 1875	Apr. 6, 1875
3, 230	Same same	Dec. 2, 1875	Dec. 14, 1875
2, 663	Littlefield, Dennis G., Albany, N. Y. Stoves	Mar. 14, 1875	June 8, 1875
3, 091	Lockwood, Brooks & Co., Boston, Mass. Writing and copying inks	Sept. 9, 1875	Oct. 26, 1875
2, 845	Lockwood, H. D. & E., Boston, Mass. Dress-shields	Apr. 7, 1875	May 11, 1875
2, 874	Lockwood, Rhodes, Boston, Mass. Rubber erasers	June 24, 1875	Aug. 31, 1875
3, 245	Lohmann, Otto F., Cleveland, Ohio. Medical compound	Nov. 24, 1875	Dec. 14, 1875
2, 605	Love & Willson, Atlanta, Ga. Medicated belts	June 8, 1875	June 15, 1875
2, 765	Lowe & Co., C. Adolph, San Francisco, Cal. Tea	Apr. 15, 1871	July 20, 1875
2, 764	Lowe, Charles, and John Gill, Manchester, England. Carbolic acid	Mar. 30, 1875	July 29, 1875
2, 155	Lowenthal & Co., S., Cincinnati, Ohio. Cigars	Nov. 21, 1874	Jan. 5, 1875
2, 161	Same same	Dec. 18, 1874	Jan. 12, 1875
2, 249	Same same	Feb. 8, 1875	Feb. 23, 1875
2, 818	Lunt Brothers, New York, N. Y. Oaten grits	Apr. 24, 1875	Aug. 10, 1875
2, 447	Lykens Valley Coal Company, Wiconisco, Pa. Coal	Apr. 29, 1875	May 4, 1875
2, 713	Lyon & Co., A. M., Richmond, Va. Smoking-tobacco	May 3, 1875	July 6, 1875
2, 875	Lyon, Bradford H., deceased, by Hattie N. Lyon, executrix, Flora, Ill. Medical compound	June 24, 1875	Aug. 31, 1875
2, 929	Maatman, Elfret, Saint Louis, Mo. Liniment	Mar. 6, 1875	Mar. 16, 1875
3, 199	Macfarlane & Co., Y. W., New York, N. Y. Lard	Nov. 23, 1875	Dec. 7, 1875
2, 714	MacGowan & Co., John K., Philadelphia, Pa. Table-sauce	Jan. 29, 1873	July 6, 1875
2, 637	Macondray & Co., San Francisco, Cal. Tea	May 1, 1875	July 6, 1875
2, 698	Same same	May 1, 1875	July 6, 1875
2, 564	Maguire, J. & C., Saint Louis, Mo. Medicine	May 27, 1872	May 18, 1875
2, 688	Mallory Manufacturing Company, Bridgeport, Conn. Hats	May 24, 1875	June 15, 1875
3, 137	Mallory, Wheeler & Co., New Haven, Conn. Door locks and latches	Oct. 19, 1875	Nov. 16, 1875
2, 961	Mann, J. Fearon, Bellefonte, Pa. Axes	Aug. 21, 1875	Sept. 21, 1875
3, 116	Mansell, Orrin B., Lynn, Mass. Medicine	Oct. 18, 1875	Nov. 2, 1875
2, 785	Manufacturers' Combination, New York, N. Y. Fertilizers	Sept. 16, 1875	Sept. 21, 1875
3, 019	Same same	Sept. 16, 1875	Oct. 11, 1875
2, 876	Marble & Co., Jerome, Worcester, Mass. Indigo-blue dye	June 11, 1875	Aug. 31, 1875
2, 215	March, Brownback & Co., Limerick Station, Pa. Stoves and ranges	Jan. 26, 1875	Feb. 9, 1875
2, 171	Markewitz & Price, New York, N. Y. Shirts	Dec. 11, 1874	Jan. 19, 1875
2, 766	Martin & Co., E., San Francisco, Cal. Whisky	Jan. 26, 1871	July 20, 1875
3, 259	Mason & Co., James D., Baltimore, Md. Bread, biscuits, crackers, and cakes	Nov. 13, 1875	Dec. 1, 1875
2, 877	Massachusetts Cigar Makers' Co-operative Association, Westfield, Mass. Cigars	July 6, 1875	Aug. 31, 1875
3, 050	Massasoit Paper Manufacturing Company, Springfield, Mass. Writing-paper	Sept. 1, 1875	Oct. 19, 1875
3, 117	Masters, Augustus E., jr., Brooklyn, N. Y. Gin	Oct. 19, 1875	Nov. 2, 1875
2, 156	Mauger, Victor E., New York, N. Y. Playing-cards	Dec. 21, 1874	Jan. 5, 1875
2, 259	Same Steam-engines and machinery relating to the treatment of paper	Feb. 13, 1875	Feb. 24, 1875
3, 241	Mary, Benno M., Cincinnati, Ohio. Whisky	Dec. 4, 1875	Dec. 14, 1875
2, 993	Mayer Bros, New Orleans, La. Leaf-tobacco	Aug. 16, 1875	Sept. 28, 1875
2, 783	Mayer, William, Brooklyn, N. Y. Photographic albums	June 30, 1875	July 29, 1875
3, 246	Mayne, Charles, New York, N. Y. Food for children	Nov. 29, 1875	Dec. 14, 1875
3, 247	Same same	Nov. 29, 1875	Dec. 14, 1875
3, 248	Same same	Nov. 29, 1875	Dec. 14, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2, 486	Mayo, Israel C., Gloucester, Mass. Preserved fish	Dec. 22, 1871	May 11, 1875
2, 502	McAndrew, James C., New York, N. Y. Licorice-paste	Apr. 30, 1875	May 18, 1875
2, 715	McBeth, Bentel & Margedant, Hamilton, Ohio. Wood-working	June 10, 1871	July 6, 1875
2, 716	McCall, James, New York, N. Y. Paper patterns for cutting garments	June 22, 1875	July 6, 1875
2, 586	McConnell, Porter & Co., Sciotoville, Ohio. Fire-brick, tiles, &c.	June 24, 1871	May 25, 1875
2, 224	McCreery & Co., James, New York, N. Y. Dress silks, satins, &c.	Jan. 30, 1875	Feb. 9, 1875
2, 423	McCullough Iron Company, Philadelphia, Pa. Galvanized sheet-iron	Jan. 24, 1873	May 4, 1875
2, 533	Same	Jan. 24, 1873	May 18, 1875
3, 006	McFurland, N. S., New York, N. Y. Coffee and tea making utensils	Aug. 12, 1875	Oct. 5, 1875
2, 347	McKeone, Van Haagen & Co., Philadelphia, Pa. Soap	Mar. 23, 1874	Apr. 6, 1875
3, 016	McMillan & Co., J. H., Chicago, Ill. Watches	Sept. 29, 1875	Oct. 5, 1875
2, 187	McNair, Frank F., Nunda, N. Y. Carpet-tacks	Jan. 9, 1875	Jan. 26, 1875
2, 562	Meagley, Rosell H., Binghamton, N. Y. Pressed cake-soap	July 23, 1875	Sept. 21, 1875
2, 348	Medberry & Mann, Ballston Spa, N. Y. Cloth-faced or paper collars	Mar. 15, 1875	Apr. 6, 1875
2, 622	Medbery & Mann, Ballston Spa, N. Y. Collars and cuffs	May 24, 1875	June 1, 1875
2, 623	Same	May 24, 1875	June 1, 1875
3, 015	Mechan, James, Washington, D. C. Table-sauce	Sept. 23, 1875	Oct. 5, 1875
2, 717	Mencely, E. A. & G. R., West Troy, N. Y. Cells	Jan. 7, 1871	July 6, 1875
3, 004	Merrell, A. F., Philadelphia, Pa. Medicine	Sept. 6, 1875	Oct. 19, 1875
2, 963	Merrill & Sons, Robert, New York, N. Y. Nautical instruments	July 31, 1875	Sept. 21, 1875
2, 323	Mershon's Sons, Daniel, Philadelphia, Pa. Heaters, ranges, and grate-work	Feb. 6, 1875	Mar. 30, 1875
2, 349	Msinger, Charles R., Toledo, Ohio. Tobacco	Mar. 13, 1875	Apr. 6, 1875
3, 065	Metropolitan Collar Company, New York, N. Y. Cloth-faced paper collars	Sept. 3, 1875	Oct. 19, 1875
3, 216	Meyer & Co., A. C., Baltimore, Md. Kimmel	Oct. 19, 1875	Dec. 7, 1875
2, 565	Mez & Sons, Carl, Freiburg, Germany. Pilet under-garments	Apr. 19, 1875	May 18, 1875
2, 253	Miami Powder Company, Xenia, Ohio. Gunpowder	June 29, 1872	May 18, 1875
2, 540	Michener & Co., J. H., Philadelphia, Pa. Hams, beef and tongues	Jan. 30, 1875	Mar. 9, 1875
3, 200	Michigan Stove Company, Detroit, Mich. Stoves	Apr. 6, 1875	Dec. 21, 1875
2, 435	Middlesex Company, Lowell, Mass. Woolen cloths	Mar. 11, 1875	May 4, 1875
2, 467	Same	Dec. 14, 1871	May 11, 1875
2, 183	Miles, J. Frank, Boston, Mass. Cigars	Jan. 8, 1875	Jan. 19, 1875
2, 152	Miller Brothers, New York, N. Y. Perfume	Dec. 24, 1874	Jan. 19, 1875
3, 283	Miller, Metcalf & Parkin, Pittsburgh, Pa. Steel bar, steel plate, and articles made therefrom	Dec. 13, 1875	Dec. 28, 1875
3, 284	Same	Dec. 13, 1875	Dec. 28, 1875
2, 767	Miller, William F. and Frank D. Montgomery, Boston, Mass. Playing-cards	May 17, 1875	July 20, 1875
2, 239	Miller, William H., Philadelphia, Pa. Packing for stuffing-boxes, &c.	Feb. 9, 1875	Feb. 16, 1875
2, 994	Mills, Johnson & Co., Cincinnati, Ohio. Whisky	Aug. 25, 1875	Sept. 28, 1875
2, 444	Mineral Railroad and Mining Company, Shamokin, Pa. Coal	Apr. 29, 1875	May 4, 1875
2, 784	Minot, Hooper & Co., New York, N. Y. Woven cotton fabrics	July 17, 1875	July 20, 1875
2, 878	Same	July 17, 1875	Aug. 31, 1875
2, 879	Same	July 17, 1875	Aug. 31, 1875
2, 880	Same	July 17, 1875	Aug. 31, 1875
2, 778	Mitchell, George E., Lowell, Mass. Porous plasters	Jan. 29, 1875	July 20, 1875
2, 740	Mitchell, Henry T., Brooklyn, N. Y. Rupture-cure	July 1, 1875	July 13, 1875
2, 566	Mitchell, Stephenson & Co., Pittsburgh, Pa. Stoves	May 11, 1875	May 18, 1875
2, 436	Moët & Chandon, Epernay, France. Champagne	Apr. 3, 1875	May 4, 1875
2, 819	Mohr, Louis, Hoboken, N. J. Cigars and tobacco	July 2, 1875	Aug. 10, 1875
2, 647	Mohr, August, Brooklyn, N. Y. Silk, worsted, linen, and cotton braids	May 25, 1875	June 8, 1875
2, 350	Möller, Peter, London, England. Cod liver oil	Mar. 13, 1875	Apr. 6, 1875
3, 066	Monitor Plow Works, Minneapolis, Minn. Plows	Aug. 23, 1875	Oct. 19, 1875
2, 351	Monobansett Manufacturing Company, Putnam, Conn. Cotton sheetings and shirtings	Feb. 18, 1875	Apr. 6, 1875
2, 184	Montgomery & Co., Philadelphia, Pa. Pile-cure	Jan. 12, 1874	Jan. 19, 1875
3, 158	Moore, Benjamin F., Fond du Lac, Wis. Wagons, carriages, and other vehicles	Oct. 27, 1875	Nov. 16, 1875
3, 261	Moore, Harriet A., San Francisco, Cal. Hair-producer	Oct. 19, 1875	Dec. 21, 1875
2, 371	Moore, Thomas E., Shawhan, Ky. Whisky	Dec. 21, 1871	Apr. 13, 1875
2, 372	Same	Dec. 21, 1871	Apr. 13, 1875
2, 373	Same	Feb. 15, 1872	Apr. 13, 1875
3, 044	Mora & Co., J. M., New York, N. Y. Cigars and tobacco	Sept. 13, 1875	Oct. 11, 1875
3, 127	Morris & Co., Edward S., Philadelphia, Pa. Soap	Oct. 19, 1875	Nov. 9, 1875
2, 534	Morse Brothers, Canton, Mass. Prepared plumbago	Mar. 14, 1872	May 18, 1875
2, 995	Moseley & Moody, New York, N. Y. Paper collars	July 17, 1875	Sept. 28, 1875
2, 329	Moses, A. & J. M., New York, N. Y. Refined lard	Apr. 3, 1875	Apr. 20, 1875
2, 349	Moutt Washington Glass Works, New Bedford, Mass. Lamp-chimneys	Nov. 24, 1875	Dec. 14, 1875
2, 216	Mudge, Sawyer & Co., E. R., Boston, Mass., and New York, N. Y. Textile fabrics	Jan. 30, 1875	Feb. 9, 1875
3, 089	Muhr's Sons, H., Philadelphia, Pa. Finger-rings	Sept. 22, 1875	Oct. 26, 1875
2, 535	Mulligan, Hugh, Philadelphia, Pa. Watches	Apr. 9, 1875	May 18, 1875
2, 830	Same	July 24, 1875	Aug. 10, 1875
2, 536	Mundell, Charles W., Brooklyn, N. Y. Boots and shoes	May 6, 1875	May 18, 1875
2, 567	Munson, Henry T., Washington, D. C. Soap	May 13, 1875	May 18, 1875
2, 996	Munyon, James M., Philadelphia, Pa. Polish for linen, muslin, &c.	Aug. 30, 1875	Sept. 28, 1875
2, 941	Myers, John B., Cleveland, Ohio. Sewing-machines	June 25, 1875	Sept. 14, 1875
2, 250	Myers, Simon S., Philadelphia, Pa. Washing-blue	Feb. 9, 1875	Feb. 23, 1875
3, 012	Same	Sept. 24, 1875	Oct. 26, 1875
2, 390	Naphys & Son, George C., Philadelphia, Pa. Lard	Apr. 12, 1875	Apr. 20, 1875
2, 473	Same	Apr. 30, 1875	May 4, 1875
3, 173	National Mixed Paint Company, New York, N. Y. Paints	Sept. 13, 1875	Nov. 30, 1875
2, 352	National Rubber Company, Bristol, R. I. Rubber goods	Apr. 1, 1872	Apr. 6, 1875
2, 618	Same	May 27, 1875	June 8, 1875
2, 881	Same	June 21, 1875	Aug. 31, 1875
2, 882	Same	June 21, 1875	Aug. 31, 1875
2, 883	Same	July 7, 1875	Aug. 3, 1875
2, 884	Same	July 7, 1875	Aug. 31, 1875
3, 271	National Talc, (French chalk), Crayon, and Pencil Company, Monmouth, Ill. Crayons and pencils	Nov. 19, 1875	Dec. 21, 1875
2, 488	National Tube Works Company, Boston, Mass., and McKeesport, Pa. Wrought-iron pipe, tubing, &c.	Mar. 27, 1875	May 11, 1875
2, 502	National Yeast Company, Seneca Falls, N. Y. Yeast	Dec. 10, 1870	May 11, 1875
2, 188	Naunkeag Steam Cotton Company, Salem, Mass. Cotton jeans	Oct. 29, 1874	Jan. 26, 1875
3, 262	Needham & Son, E. P., New York, N. Y. Organs	Dec. 8, 1875	Dec. 21, 1875
2, 718	New England Company, Rockville, Conn. Cassimere and clothing fabrics	June 26, 1875	July 6, 1875
2, 438	Nichols & Co., James R., Boston, Mass. Medicine	Feb. 23, 1872	May 4, 1875
3, 118	Nicholson, William C., New York, N. Y. Cigars and tobacco	Oct. 12, 1875	Nov. 2, 1875
3, 119	Same	Oct. 12, 1875	Nov. 2, 1875
2, 260	Nisbet, Mrs. Thomas C., Macon, Ga. Cotton presses	Feb. 15, 1875	Feb. 23, 1875
2, 489	Nolen, William F., Brooklyn, N. Y. Tobacco	Apr. 3, 1875	May 11, 1875
2, 490	Northwestern Horse Nail Company, Chicago, Ill. Horse-nails	Dec. 17, 1870	May 11, 1875
2, 154	Novelty Company, New York, N. Y. Tobacco-pouch	Dec. 23, 1870	Jan. 5, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
3,093	Nunns, Benjamin F., New York, N. Y. Medical composition	Sept. 16, 1875	Oct. 26, 1875
2,587	Oakley, Jesse, New York, N. Y. Soap	Jan. 16, 1872	May 25, 1875
2,588	Same same	Mar. 16, 1872	May 25, 1875
2,670	Ogborn & Co., M. E., Cincinnati, Ohio. Gin.	June 4, 1875	June 15, 1875
2,847	Oliver, Paul A., Wilkesbarre, Pa. Rifle-powder	June 26, 1875	Aug. 24, 1875
2,768	Olzendam, Abraham P., Manchester, N. H. Woolen hose	Aug. 5, 1870	July 20, 1875
3,051	Orne & Co., J. C., Westmore, Vt. Seythe-stones	June 26, 1875	Oct. 19, 1875
2,353	Ostrand & Son., William, Watonsville, Cal. Life-ointment	Mar. 5, 1875	Apr. 6, 1875
2,589	Ottenheimer, Rothschild & Co., New York, N. Y. Corsets	Feb. 19, 1872	May 25, 1875
2,590	Same same	Feb. 19, 1872	May 25, 1875
2,591	Same same	Feb. 19, 1872	May 25, 1875
2,592	Same same	Feb. 19, 1872	May 25, 1875
2,593	Same same	Sept. 13, 1872	May 25, 1875
2,594	Same same	Oct. 19, 1872	May 25, 1875
2,595	Same same	Oct. 19, 1872	May 25, 1875
2,596	Same same	Oct. 19, 1872	May 25, 1875
3,217	Pabst & Esch, New York, N. Y. Lamp chimneys and shades	Nov. 29, 1875	Dec. 7, 1875
3,272	Packard & Co., F. A., Boston, Mass. Paper-weights	Dec. 11, 1875	Dec. 21, 1875
2,964	Packard & James, New York, N. Y. Spices	Sept. 14, 1875	Sept. 21, 1875
2,965	Same same	Sept. 14, 1875	Sept. 21, 1875
2,966	Same same	Sept. 14, 1875	Sept. 21, 1875
2,967	Same same	Sept. 13, 1875	Sept. 21, 1875
2,968	Same Cream of tartar	Sept. 14, 1875	Sept. 21, 1875
2,969	Same same	Sept. 14, 1875	Sept. 21, 1875
2,970	Same same	Sept. 13, 1875	Sept. 21, 1875
2,971	Same same	Sept. 14, 1875	Sept. 21, 1875
3,179	Same Spices	Sept. 13, 1875	Nov. 30, 1875
3,180	Same Cream of tartar	Sept. 13, 1875	Nov. 30, 1875
2,170	Pacher, Daniel F., Mystic River, Conn. Soap	Jan. 2, 1875	Jan. 22, 1875
2,779	Page, George F. & Charles T., Franklin, N. H. Leather	Nov. 28, 1870	July 20, 1875
2,780	Same same	Aug. 17, 1871	July 20, 1875
3,218	Page, John E., Albany, N. Y. Shirts	Nov. 29, 1875	Dec. 7, 1875
2,624	Pancoast & Maule, Philadelphia, Pa. Steam-heating apparatus, steam fittings, &c.	Apr. 24, 1875	June 1, 1875
2,689	Pancoast, William H., Millstone, N. J. Medicine	Apr. 30, 1875	June 13, 1875
3,232	Pardee, Lucius C., Chicago, Ill. Cigars	Nov. 29, 1875	Dec. 14, 1875
3,273	Same same	Nov. 29, 1875	Dec. 21, 1875
3,274	Same same	Nov. 29, 1875	Dec. 21, 1875
2,193	Passavant & Co., New York, N. Y. Silks, velvets, and dress-goods	Jan. 18, 1875	Jan. 26, 1875
2,407	Same Gloves, embroideries, and ribbons	Apr. 10, 1875	Apr. 20, 1875
2,284	Patapsco Guano Company, Baltimore, Md. Fertilizers	Mar. 1, 1875	Mar. 9, 1875
2,300	Same same	Mar. 1, 1875	Mar. 16, 1875
2,723	Patent Metal Company, Philadelphia, Pa. Metal	Nov. 3, 1870	July 6, 1875
2,491	Patrick & Carter, Philadelphia, Pa. Telegraph instruments and appurtenances	Apr. 13, 1875	May 11, 1875
2,285	Patrick & Co., Richard, San Francisco, Cal. Axes	Feb. 27, 1875	Mar. 9, 1875
2,848	Pease, Francis S., Buffalo, N. Y. White-lead, &c.	June 8, 1872	Aug. 26, 1875
2,769	Peck & Snyder, New York, N. Y. Base-balls	Aug. 30, 1870	July 20, 1875
3,181	Perry, Chauncey, Rochester, N. Y. Fertilizers	Nov. 8, 1875	Nov. 30, 1875
2,972	Person, Harriman & Co., A., New York, N. Y. Dress and other dry goods	Aug. 25, 1875	Sept. 21, 1875
2,973	Same same	Aug. 25, 1875	Sept. 21, 1875
2,974	Same same	Aug. 25, 1875	Sept. 21, 1875
2,975	Same same	Aug. 25, 1875	Sept. 21, 1875
2,381	Phillips, Charles H., New York, N. Y. Preparation of magnesia	Apr. 1, 1875	Apr. 13, 1875
2,382	Same same	Apr. 1, 1875	Apr. 13, 1875
2,439	Same Essential oils and other chemicals	Nov. 16, 1872	May 4, 1875
2,492	Picault, Pierre E., Montreal, Canada. Medical fluid compound	Mar. 23, 1875	May 11, 1875
2,940	Pillsbury & Co., C. A., Minneapolis, Minn. Flour	Feb. 17, 1875	Sept. 14, 1875
2,440	Pinkney, Jackson & Co., New York, N. Y., Chicago, Ill., and London, England. Mustard and spices	Apr. 22, 1875	May 4, 1875
2,403	Pine, Miller & Dunham, Troy, N. Y. Ladies' and gentlemen's collars and cuffs	Apr. 30, 1875	May 11, 1875
3,200	Pingree, Woods & Clark, Boston, Mass. Cotton fabrics	Nov. 19, 1875	Dec. 7, 1875
2,310	Pioneer Tobacco Company, Brooklyn, N. Y. Tobacco	Mar. 9, 1875	Mar. 23, 1875
2,976	Planat & Co., Ve., Cognac, France. Branties	Sept. 13, 1875	Sept. 21, 1875
2,354	Plastidge, Asa A., Chicago, Ill. Mustard	Mar. 13, 1875	Apr. 6, 1875
2,251	Plumb, Sons & Co., E., Grand Rapids, Mich. Baking-powder	Nov. 20, 1874	Feb. 23, 1875
2,494	Pobalski, Pincus, New York, N. Y. Cigars	Apr. 23, 1875	May 11, 1875
3,250	Poitiers, John A., New York, N. Y. Cigars, cigarettes, smoking and chewing tobacco	Nov. 18, 1875	Dec. 14, 1875
2,353	Pomeroy Sons, L., Pittsfield, Mass. Gray cloth	Feb. 14, 1871	Apr. 6, 1875
2,495	Pond, Julius B., New York, N. Y. Milk	May 1, 1875	May 11, 1875
2,374	Porter & Bainbridge, New York, N. Y. Paper, envelopes, and cards	Apr. 1, 1875	Apr. 13, 1875
3,063	Powell, George W., Meadville, Va. Plant-fly and grasshopper exterminator	Aug. 12, 1875	Oct. 19, 1875
2,334	Power Brothers & Co., London, England, and William H. Power & Co., New York, N. Y. Petroleum and its products and other oils	Mar. 25, 1875	Mar. 30, 1875
2,391	Same Petroleum	Apr. 10, 1875	Apr. 20, 1875
2,649	Pratt & Co., Buffalo, N. Y. Bar-iron, shafting, &c.	May 12, 1875	June 8, 1875
3,233	Pratt & Co., A. W., New York, N. Y. Varnishes, japan and liquid driers, turpentine and benzine	July 29, 1875	Dec. 14, 1875
2,496	Prico, William M., Saint Louis, Mo. Plantation-wagons	May 4, 1875	May 11, 1875
3,251	Proctor & Gamble, Cincinnati, Ohio. Soap	Dec. 10, 1875	Dec. 14, 1875
2,157	Puffer, William H., Athol, Mass. Felon-cure	Dec. 7, 1874	Jan. 5, 1875
3,067	Puig & Co., Emilio, New York, N. Y. Lard	Sept. 11, 1875	Oct. 19, 1875
2,424	Purley & Co., John, Atlanta, Ga. Medicine	June 24, 1872	May 4, 1875
2,781	Putnam, Silas S., Boston, Mass. Curtain-fixtures	July 17, 1871	July 20, 1875
2,650	Quinn, James, Portland, Oreg. Prepared salmon	May 21, 1875	June 8, 1875
3,020	Quirin & Co., William, Boston, Mass. Skin and leather	Aug. 23, 1875	Oct. 11, 1875
2,625	Radway & Co., New York, N. Y. Medicine	May 24, 1875	June 1, 1875
2,626	Same Medicinal fluid preparation	May 24, 1875	June 1, 1875
2,627	Same Medicine	May 24, 1875	June 1, 1875
3,234	Ralston & Kirke, New York, N. Y. Fertilizers	Nov. 27, 1875	Dec. 14, 1875
3,139	Rand & Co., J. R., New York, N. Y. Blasting-powder	Oct. 21, 1875	Nov. 16, 1875
2,246	Rauchfuss, Frederick, New York, N. Y. Bathing-powders	Feb. 12, 1875	Feb. 16, 1875
3,035	Ray & Taylor Manufacturing Company, Springfield, Mass. Paper collars	Sept. 1, 1875	Oct. 11, 1875
2,324	Redington, Hostetter & Co., San Francisco, Cal. Preparation to be used on sheep	Mar. 20, 1875	Mar. 30, 1875
3,069	Reis & Becherer, Philadelphia, Pa. Whisky	Sept. 6, 1875	Oct. 19, 1875
2,293	Reisig & Hexamer, New Castle, N. Y. Prong-hoes	Jan. 25, 1875	Mar. 16, 1875
3,095	Remington & Sons, E., Iliou, N. Y. Sewing-machines	Sept. 20, 1875	Oct. 26, 1875
2,356	Renne & Sons, William, Pittsfield, Mass. Medicine	Apr. 13, 1872	Apr. 6, 1875
2,741	Rex, Carrie L., Newark, N. J. Medicine	June 24, 1875	July 13, 1875

## List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2,498	Richards & Sons, I. D., Boston, Mass. Gin	Oct. 30, 1871	May 11, 1875
2,719	Same same	Aug. 17, 1871	July 6, 1875
2,782	Same same	Oct. 8, 1870	July 29, 1875
2,425	Richmond, Charles C., Boston, Mass. Axle-oil	Mar. 25, 1872	May 4, 1875
2,671	Riessner, Christopher, Washington, D. C. Summer furnaces	June 9, 1875	June 15, 1875
2,977	Ritchie & Co., Thomas, Jacksonville, Fla. Orange marmalade	Sept. 4, 1875	Sept. 21, 1875
2,893	Ritter, Philip J., Philadelphia, Pa. Jams, jellies, marmalades, and preserved fruits	Apr. 7, 1875	Apr. 20, 1875
2,597	Robert & Co., J. Eugene, New York, N. Y. Watches	Sept. 7, 1872	Mar. 9, 1875
2,777	Roberts & Fulweiler, Philadelphia, Pa. Cigars	Feb. 21, 1875	Sept. 21, 1875
2,786	Robertson & Co., Thomas, Philadelphia, Pa. Evaporated sugar-ceru	Sept. 13, 1875	Mar. 21, 1875
2,064	Robinson Bros. & Co., Boston, Mass. Soap	Mar. 8, 1875	June 8, 1875
2,742	Same same	July 6, 1875	July 13, 1875
2,795	Same same	July 6, 1875	July 27, 1875
2,821	Same same	July 30, 1875	Aug. 10, 1875
2,978	Same same	Sept. 4, 1875	Sept. 21, 1875
3,201	Same same	Nov. 22, 1875	Dec. 7, 1875
3,202	Rock Haven Cement Company, Louisville, Ky. Hydraulic cement	Oct. 23, 1875	Dec. 7, 1875
2,885	Rodgers, Augusta M., Brooklyn, N. Y. Medical compound	June 18, 1875	Aug. 31, 1875
2,886	Same same	Aug. 4, 1875	Aug. 31, 1875
3,219	Rogers, Frank W., Hartford, Conn. Metal and plated ware	Nov. 11, 1875	Dec. 7, 1875
2,497	Root, Charles O., Binghamton, N. Y. Fertilizing material	Apr. 1, 1875	May 11, 1875
2,398	Rose, Buckley A., Urbana, Ohio. Burning-fluid	Nov. 26, 1870	Mar. 16, 1875
2,941	Rosenbach & Co., M., Philadelphia, Pa. Overalls, shirts, and drawers	July 12, 1875	Sept. 14, 1875
3,275	Rothschild Bros. & Gutmann, New York, N. Y. Bosom-shirts	Nov. 5, 1875	Dec. 21, 1875
2,441	Rothschild, John W., Saint Louis, Mo. Salve	Dec. 12, 1874	May 4, 1875
3,122	Royer, Herman, S. n Francisco, Cal. Manufactured leather or rawhide	Aug. 23, 1875	Nov. 30, 1875
2,922	Rumford Chemical Works, Providence, R. I. Bread raising material	July 19, 1875	Sept. 7, 1875
2,392	Rumley, John H., San Francisco. Medicine	Apr. 9, 1875	Apr. 20, 1875
2,199	Sabin, Charles D., New York, N. Y. Hams	Dec. 23, 1874	Jan. 26, 1875
2,811	Sahlfeld & Co., Frederick, Baltimore, Md. Toilet-soap	June 22, 1875	Aug. 3, 1875
2,252	Salmon, William F., Lowell, Mass. Knitted hosiery	Dec. 11, 1874	Feb. 23, 1875
2,240	Saloman, Gustav, New York, N. Y. Cigars and cigarettes	Feb. 1, 1875	Feb. 16, 1875
3,070	Sarle, John F., New York, N. Y. Liquid tonic	Aug. 26, 1875	Oct. 19, 1875
2,394	Sarrazin J. P., New Orleans, La. Smoking-tobacco	Apr. 6, 1875	Apr. 20, 1875
2,395	Same same	Apr. 6, 1875	Apr. 20, 1875
2,396	Same same	Apr. 6, 1875	Apr. 20, 1875
2,397	Same same	Apr. 6, 1875	Apr. 20, 1875
2,568	Saums, Christian C., Baltimore, Md. Cigars	Apr. 23, 1875	May 18, 1875
3,052	Schaeffer, Catharine, New York, N. Y. Liniment	June 14, 1875	Oct. 19, 1875
3,160	Schimmel & Co., J. O., Philadelphia, Pa. Fruit-butters	Oct. 8, 1875	Oct. 26, 1875
2,267	Schmidlapp & Co., Cincinnati, Ohio. Bitters	Jan. 25, 1875	Feb. 2, 1875
2,923	Schultz & Co., Zanesville, Ohio. Soap	June 19, 1875	Sept. 7, 1875
3,147	Same same	Nov. 10, 1875	Nov. 16, 1875
2,294	Schuneman & Co., A., Detroit, Mich. Cigars	Mar. 4, 1875	Mar. 16, 1875
3,036	Schwanlösser, Gustav, Nuremberg, Germany. Drawing lead-pencils	Sept. 25, 1875	Oct. 11, 1875
3,167	Same Pencils and rubber erasers	Sept. 25, 1875	Nov. 23, 1875
3,168	Same Mechanical lead-pencils and rubber erasers	Sept. 25, 1875	Nov. 23, 1875
2,979	Schwob Brothers & Co., New York, N. Y. Watches	July 8, 1875	Sept. 21, 1875
3,276	Secomb, Kehew & Thayer, Boston, Mass. Wood-oil	Nov. 2, 1875	Dec. 21, 1875
3,203	Serler & Stevens, New York, N. Y. Varnishes	Nov. 22, 1875	Dec. 7, 1875
2,208	Seidenberg & Co., Key West, Florida. Cigars	Jan. 22, 1875	Feb. 2, 1875
2,241	Seip, James M., Allentown, Pa. Cigars	Dec. 29, 1874	Feb. 16, 1875
3,204	Shaw, Hammond & Carney, Portland, Me. Flour	Nov. 24, 1875	Dec. 7, 1875
2,270	Shawwood & Co., L. H., Hartford, Conn. Egg-producing food for poultry	Feb. 24, 1875	Mar. 2, 1875
3,205	Shields, May & Co., Cincinnati, Ohio. Whisky	Nov. 13, 1875	Dec. 7, 1875
3,206	Same same	Nov. 13, 1875	Dec. 7, 1875
2,500	Shimack, Woodside & Gibbons, Zanesville, Ohio. Cooking-stoves	Sept. 7, 1872	Nov. 11, 1875
3,190	Shoemaker & Co., Robert, Philadelphia, Pa. Scotch oatmeal	Oct. 2, 1875	Nov. 2, 1875
2,692	Shumway, Franklin P., Leominster, Mass. Agricultural forks	Mar. 20, 1872	June 22, 1875
2,577	Sibley, Solomon, Boston, Mass. Shirt bosoms	Nov. 7, 1872	May 18, 1875
3,220	Silberman, Henry, Philadelphia, Pa. Clasps for pocket-books, satchels, &c	Nov. 17, 1875	Dec. 7, 1875
2,849	Silberman, Heinemann & Co., New York, N. Y. Friuges, ribbons, and trimmings of silk	Dec. 14, 1870	Aug. 24, 1875
2,997	Same Cords, hinges, ribbons, &c	Dec. 13, 1870	Sept. 18, 1875
2,426	Simes, Samuel F., Philadelphia, Pa. Soda-water	Apr. 29, 1872	May 4, 1875
2,361	Simons & Brothers, Philadelphia, Pa. Oil	Apr. 27, 1875	Apr. 6, 1875
2,651	Singer Manufacturing Company, New York, N. Y. Sewing-machine	May 24, 1875	June 8, 1875
3,071	Slater, John H., Portsmouth, N. H. Medical preparation	Feb. 5, 1875	Oct. 19, 1875
3,017	Slater, William S., North Smithfield, R. I. Fine shirtings	June 24, 1875	Oct. 5, 1875
3,277	Smart, Thomas H., Philadelphia, Pa. Medical preparation	Nov. 27, 1875	Dec. 21, 1875
2,912	Smith & Co., Henry W., Covington, Ky. Redistilled liquors	Aug. 16, 1875	Sept. 7, 1875
2,913	Smith & Sons, I. H., New York, N. Y. Bottled wines	June 12, 1875	Sept. 7, 1875
2,830	Smith, Andrew L., Geneva, N. Y. Spectacles and spectacle-frames	Dec. 22, 1874	Aug. 17, 1875
3,037	Smith, David B., Bastrop, La. Plows	Sept. 23, 1875	Oct. 11, 1875
2,190	Smith, John H., Philadelphia, Pa. Germantown wool	Jan. 13, 1875	Jan. 26, 1875
2,693	Smith, Thomas L., Boston, Mass. Gin	Oct. 20, 1871	June 22, 1875
3,021	Snow & Co., Franklin, Boston, Mass. Fish	June 7, 1875	Oct. 11, 1875
3,121	Snyder & Gue, Decatur, Ill. Medical preparation or compound	Oct. 12, 1875	Nov. 2, 1875
2,427	Sorrento Wood Carving Company, Boston, Mass. Wood-carvings	Dec. 16, 1871	May 4, 1875
3,022	Southern Calendar Clock Company, Saint Louis, Mo. Clocks	Aug. 20, 1875	Oct. 11, 1875
2,924	Speer & Sons, Alexander, Pittsburgh, Pa. Plows	July 13, 1875	Sept. 7, 1875
2,375	Speen, Fred, Pittsburgh, Pa. Medicine	Mar. 31, 1875	Apr. 13, 1875
2,201	Stachelberg & Co., New York, N. Y. Cigars	Jan. 21, 1875	Feb. 2, 1875
2,781	Stanley Rule and Level Company, New Britain, Conn. Carpenters' planes	Jan. 27, 1875	Sept. 21, 1875
2,870	Staples, Daniel, and John S. Brown, Moscow, Pa. Clothes-pins	Apr. 17, 1875	Aug. 24, 1875
2,442	Star Pio Company, Birmingham, Conn. Pins	Mar. 13, 1875	May 4, 1875
2,443	Same same	Mar. 13, 1875	May 4, 1875
2,444	Same same	Mar. 6, 1875	May 4, 1875
2,445	Same same	Mar. 27, 1875	May 4, 1875
2,446	Same same	Apr. 10, 1875	May 4, 1875
2,428	Starkey, George R., Philadelphia, Pa. Compound oxygen-water	Nov. 14, 1872	May 4, 1875
3,221	Starr Manufacturing Company, Dartmouth, Canada. Skates	Oct. 1, 1875	Dec. 7, 1875
2,720	Steel & Co., Edward T., Philadelphia, Pa. Cloth or men's wear	Jan. 9, 1871	July 6, 1875
3,278	Steele, James G., San Francisco, Cal. Poison and poisonous compositions for the destruction of squirrels, &c	Nov. 18, 1875	Dec. 21, 1875
2,538	Steiner & Co., D., New York, N. Y. Green paints	Apr. 20, 1875	May 18, 1875
2,932	Same Paints	July 24, 1875	Sept. 14, 1875
2,357	Stern & Co., New York, N. Y. Shirts	Aug. 31, 1872	Apr. 6, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing	Date of registration.
2, 743	Stern, I. N., Keokuk, Iowa. Lye and potash	May 15, 1875	July 13, 1875
3, 122	Stewart & Co., A. T., New York, N. Y. Carpets	Oct. 13, 1875	Nov. 2, 1875
3, 207	Stewart & Co., T. G., Johnstown, Pa. Flour	Nov. 24, 1875	Dec. 7, 1875
3, 208	Same	Nov. 24, 1875	Dec. 7, 1875
3, 208	Same	Nov. 24, 1875	Dec. 7, 1875
2, 295	Stiles, William C., jr., Volcano, W. Va. Lubricating-oils	Feb. 23, 1875	Mar. 16, 1875
3, 038	Saint Johnsbury Tool Company, Saint Johnsbury, Vt. Bevel and try squares	Sept. 9, 1875	Oct. 11, 1875
2, 782	Saint Louis Woollen Gutter Manufacturing Company, Saint Louis, Mo. Refrigerators and ice-chests	Aug. 28, 1875	Sept. 21, 1875
2, 499	Stockdale, Smith & Co., Baltimore, Md. Baking-powder	Apr. 29, 1875	May 11, 1875
2, 694	Same	June 17, 1875	June 22, 1875
2, 569	Stowell & Co., Charlestown, Mass. Pastilles	Dec. 1, 1871	May 18, 1875
3, 263	Strain, John G., Delaware, Ohio. Split-bottom chairs	Aug. 14, 1871	Dec. 21, 1875
2, 628	Strasburger & Co., Louis, New York, N. Y. Watches	Apr. 30, 1875	June 1, 1875
2, 629	Same	Apr. 30, 1875	June 1, 1875
2, 630	Same	Apr. 30, 1875	June 1, 1875
2, 631	Same	Apr. 30, 1875	June 1, 1875
2, 980	Same	Aug. 11, 1875	Sept. 21, 1875
2, 721	Streeter & Riker, New York, N. Y. Polishing compound	June 23, 1875	July 6, 1875
2, 699	Strouse, George W. & M., Avon, N. Y. Agricultural implements	Apr. 19, 1875	July 6, 1875
2, 194	Strunz & Wetzel, Pittsburgh, Pa. Soaps	Jan. 2, 1875	Jan. 26, 1875
3, 128	Sullivan & Burk, Detroit, Mich. Cigars	Nov. 5, 1875	Nov. 9, 1875
2, 398	Summer King Stove Company, Pittsburgh, Pa. Stoves	Apr. 5, 1875	Apr. 20, 1875
2, 822	Summers & Co., Charles G., Baltimore, Md. Hermetically-sealed canned goods	July 8, 1875	Aug. 10, 1875
2, 419	Summit Branch Railroad Company, Williamstown, Pa. Coal	Apr. 29, 1875	May 4, 1875
2, 286	Sussfield, Lorsch & Co., New York, N. Y. Spectacles, eyeglasses, and optical goods	Feb. 6, 1875	Mar. 9, 1875
3, 140	Swain, William, Philadelphia, Pa. Medical compound	Oct. 23, 1875	Nov. 16, 1875
3, 141	Same	Oct. 23, 1875	Nov. 16, 1875
3, 142	Same	Oct. 23, 1875	Nov. 16, 1875
3, 143	Same	Oct. 23, 1875	Nov. 16, 1875
2, 530	Swain, Earle & Co., Boston, Mass. Mustard	July 12, 1872	May 18, 1875
2, 771	Swank, M. J., Philadelphia, Pa. Tobacco and cigars	Jan. 15, 1875	July 20, 1875
2, 603	Sweet, Barnes & Co., Syracuse, N. Y. Steel and iron wares	May 24, 1873	Aug. 3, 1875
3, 072	Swift & Co., George B., Chicago, Ill. Axle-grease	Sept. 8, 1875	Oct. 19, 1875
2, 501	Swift and Courtney and Beecher Company, New Haven, Conn. Friction-matches	May 1, 1875	May 11, 1875
2, 887	Swigart, George, Belleville, Ill. Flour	June 16, 1875	Aug. 31, 1875
2, 503	Talcot, George, Brooklyn, N. Y. Medicine	Apr. 29, 1875	May 11, 1875
2, 504	Same	Apr. 29, 1875	May 11, 1875
2, 271	Talcott, Samuel C., Ashtabula, Ohio. Bonnets and other-head wear for women and children	Feb. 23, 1875	Mar. 2, 1875
2, 272	Same	Feb. 23, 1875	Mar. 2, 1875
2, 273	Same	Feb. 23, 1875	Mar. 2, 1875
2, 772	Talcot, George, Brooklyn, N. Y. Pamphlets	June 5, 1875	July 20, 1875
3, 023	Tarrant & Co., New York, N. Y. Medical preparation	Sept. 4, 1875	Oct. 11, 1875
3, 024	Same	Sept. 4, 1875	Oct. 11, 1875
2, 325	Taylor, Augustus A., Loudonville, Ohio. Flour	Mar. 18, 1875	Mar. 30, 1875
3, 101	Taylor, Alfred B., New York, N. Y. Cottonades and other heavy cotton and cotton and wool goods	Oct. 8, 1875	Oct. 26, 1875
2, 888	Taylor Company, N. & G., Philadelphia, Pa. Tin-plate	June 28, 1875	Aug. 31, 1875
2, 889	Same	June 28, 1875	Aug. 31, 1875
2, 890	Same	June 28, 1875	Aug. 31, 1875
3, 258	Tects, Charles E., New York, N. Y. Stove-polish	Dec. 6, 1875	Dec. 14, 1875
2, 976	Tbayer Manufacturing Jewelry Company, Astoria, N. Y. Jewelry	Apr. 2, 1875	Apr. 13, 1875
3, 236	Thilenius, George C., Cape Girardeau, Mo. Flour	Nov. 13, 1875	Dec. 14, 1875
3, 237	Same	Nov. 13, 1875	Dec. 14, 1875
2, 914	Thomas, Joel, Philadelphia, Pa. Ruches, ruffings, and collarettes	June 11, 1875	Sept. 7, 1875
2, 915	Same	June 11, 1875	Sept. 7, 1875
2, 505	Thomas, Robert, Stevenson & Co., Philadelphia, Pa. Stoves and ranges	Apr. 17, 1875	May 11, 1875
3, 026	Thomson, Langdon & Co., New York, N. Y. Combs	June 10, 1875	Oct. 11, 1875
2, 225	Thornhill & Co., New York, N. Y. Paints, composition coatings, and wood-fillings	Jan. 30, 1875	Feb. 9, 1875
2, 450	Thurber & Co., H. K., New York, N. Y. Whisky	June 15, 1872	May 4, 1875
2, 724	Same	Oct. 1, 1870	July 6, 1875
2, 804	Same	May 8, 1875	Aug. 3, 1875
3, 074	Same	Oct. 1, 1870	Oct. 19, 1875
2, 261	Tibbels, Ewing W., Chester, Pa. Paint or cement	Dec. 2, 1874	Feb. 23, 1875
2, 430	Tiemaun & Co., D. F., New York, N. Y. Paints, colors, and painting materials	Oct. 12, 1872	May 4, 1875
2, 854	Tilden & Co., New Lebanon, N. Y. Medicine	May 23, 1871	Aug. 24, 1875
3, 238	Tilden, Henry A., New Lebanon, N. Y. Medical preparation	Nov. 27, 1875	Dec. 14, 1875
2, 278	Torlina, Endres & Co., Saint Louis, Mo. Bourbon whisky	Feb. 17, 1875	Mar. 9, 1875
2, 190	Toaché, Otto, New Orleans, La. Toilet-powder	May 8, 1875	June 15, 1875
2, 925	Tremont and Suffolk Mills, Lowell, Mass. Cotton flannels	July 1, 1875	July 6, 1875
3, 171	Tripler, A. J., New York, N. Y. Bathing-suits	July 9, 1875	Nov. 23, 1875
2, 506	Tripp, Job C., Fairhaven, Mass., assignor to Boston and Fairhaven Iron Works. Printing-presses, &c	Jan. 13, 1873	May 11, 1875
2, 196	Troy Hosiery Manufacturing Company, Troy, N. Y. Knitted goods	Jan. 18, 1875	Jan. 26, 1875
3, 264	Trux, Edward H., New York, N. Y. Preparation of cod-liver oil	Mar. 5, 1872	Dec. 21, 1875
2, 266	Tucker, John W., San Francisco, Cal. Watches	July 18, 1874	Mar. 2, 1875
2, 507	Same	May 1, 1875	May 11, 1875
2, 508	Same	May 1, 1875	May 11, 1875
2, 632	Same	May 22, 1875	June 1, 1875
2, 195	Tucker Manufacturing Company, Boston, Mass. Spring-bed	Dec. 12, 1874	Jan. 26, 1875
2, 652	Same	Mar. 18, 1875	June 8, 1875
2, 210	Tufts, James W., Medford, Mass. Silver-plated goods	Jan. 25, 1875	Feb. 2, 1875
2, 431	Same	Jan. 15, 1872	May 4, 1875
2, 509	Turner & Co., J. J., Baltimore, Md. Fertilizer	July 25, 1870	May 11, 1875
2, 855	Tuttle Manufacturing Company, Naugatuck, Conn. Hoop, forks, rakes, &c	Dec. 1, 1874	Aug. 24, 1875
2, 805	Uhler, English & Boileau, Philadelphia, Pa. Rope, twines, gilling-thread, &c	July 9, 1875	Aug. 3, 1875
2, 297	Underwood & Co., William, Boston, Mass. Deviled entremets	Oct. 25, 1870	Mar. 16, 1875
2, 377	United States Corset Company, New York, N. Y. Corsets	Mar. 29, 1875	Apr. 13, 1875
2, 378	Same	Mar. 29, 1875	Apr. 13, 1875
2, 633	Same	May 3, 1875	June 1, 1875
2, 653	Same	Mar. 29, 1875	June 8, 1875
2, 220	Upham, Samuel C., Philadelphia, Pa. Perfumery and toilet articles	Jan. 15, 1875	Feb. 9, 1875
2, 279	Same	Feb. 23, 1875	Mar. 9, 1875
2, 892	Van Brunt & Davis, Horicon, Wis. Combined seed-sowers and cultivators	July 12, 1873	Aug. 31, 1875
2, 326	Van Ingia, Peter D., Brooklyn, Mass. Bitters	Mar. 19, 1875	Mar. 30, 1875
2, 673	Yantine & Co., A. A., New York, N. Y. Fans	Apr. 30, 1875	June 15, 1875
3, 075	Van Tine & Co., H. C., Pittsburg, Pa. Lubricating-oil	July 24, 1875	Oct. 19, 1875
2, 912	Vickers' Sons, Paxou, New York, N. Y. Tea	June 19, 1875	Sept. 14, 1875
2, 806	Vickery, George H., Hyde Park, Pa. Baking-powder	May 8, 1875	Aug. 3, 1875
2, 726	Vidvard & Sheehan, Utica, N. Y. Whisky	Jan. 24, 1871	July 6, 1875
2, 727	Same	Mar. 25, 1871	July 6, 1875

List of trade-marks registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
2, 173	Vogel, Henry E., New York, N. Y. Carpet-warp	Dec. 30, 1874	Jan. 19, 1875
2, 728	Volta Belt Company, Cincinnati, Ohio. Electro-voltaic bands	Apr. 23, 1875	July 6, 1875
3, 097	Vulcanite Optical Instrument Company, New York and College Point, N. Y. Spectacles, eye-glasses, and other optical instruments made of hard rubber	Sept. 23, 1875	Oct. 26, 1875
2, 541	Walker, Joseph H., Worcester, Mass. Boots	July 15, 1872	May 18, 1875
3, 099	Wallach, A. & E., New York, N. Y. Buttons	Sept. 10, 1875	Oct. 26, 1875
2, 598	Walter & Fielding, New York, N. Y. Paints	Aug. 10, 1871	May 25, 1875
2, 599	Same..... same	Aug. 10, 1871	May 25, 1875
2, 783	Same..... Driers, drying-oils, and varnishes	June 16, 1875	Sept. 21, 1875
2, 335	Walton, Frederick, Staines, England. Floor-cloths and similar fabrics	Mar. 22, 1875	Mar. 30, 1875
3, 240	Walton, Whann & Co., Wilmington, Del. Fertilizer	Dec. 1, 1875	Dec. 14, 1875
2, 242	Same..... Fertilizers	Nov. 1, 1871	Feb. 16, 1875
2, 635	Same..... Commercial fertilizers	Nov. 1, 1871	June 22, 1875
2, 729	Same..... Fertilizer	May 15, 1871	July 6, 1875
2, 730	Same..... same	Nov. 3, 1875	July 6, 1875
2, 327	Wannalanset Manufacturing Company, Boston, Mass. Hose for pumps, engines, &c.	Feb. 8, 1875	Mar. 30, 1875
3, 144	Ware & Co., P., jr., Boston, Mass. Boots and shoes	Oct. 14, 1875	Nov. 16, 1875
3, 183	Warner & Co., R., Boston, Mass. Clothes-pins	Nov. 16, 1875	Nov. 30, 1875
2, 900	Warren, Isaiah, Wheeling, W. Va. Soap	Aug. 26, 1875	Sept. 7, 1875
2, 901	Same..... same	Aug. 26, 1875	Sept. 7, 1875
2, 311	Washington Mills, Lawrence, Mass. Woolen, worsted, and cotton goods	Mar. 8, 1875	Mar. 23, 1875
2, 784	Watson & Clark, Philadelphia, Pa. Superphosphate	Oct. 22, 1870	Sept. 21, 1875
3, 098	Watt & Call, Richmond, Va. Plows, agricultural implements, and castings for the same	Sept. 25, 1875	Oct. 26, 1875
3, 082	Wattles & Son, Joseph W., Canton, Mass. Composition in use for sizing warps	Sept. 23, 1875	Oct. 19, 1875
2, 358	Wattles, James D., New York, N. Y. Medical preparation	Mar. 27, 1875	April 6, 1875
2, 359	Wattles, Joseph W., Canton, Mass. Suspenders and elastic bedding	Sept. 10, 1870	April 6, 1875
2, 510	Weber, Ernst A., Brooklyn, N. Y. Medical compound	Apr. 3, 1875	May 11, 1875
3, 018	Wechsler & Co., Abraham, Brooklyn, N. Y. Dry goods	Mar. 13, 1875	Oct. 5, 1875
2, 301	Weeks & Dupee, Boston, Mass. Chemical for dyeing	Oct. 18, 1871	Mar. 16, 1875
3, 054	Weidmann & Co., A., New York, N. Y. Christmas candles and toys	July 14, 1875	Oct. 19, 1875
2, 511	Wellington, Kidder & Co., New York, N. Y. Wine	Mar. 22, 1875	May 11, 1875
2, 243	Wells, Ephraim S., Jersey City, N. J. Compound for destroying, rats, mice, roaches, &c.	Feb. 3, 1875	Feb. 16, 1875
2, 654	Wemple & Co., Charles E., New York, N. Y. Calendars and almanacs	May 28, 1875	June 8, 1875
3, 279	Werk & Sons, M., Cincinnati, Ohio. Wine	Feb. 21, 1871	Dec. 21, 1875
2, 898	Wertheimer & Co., New York, N. Y. Gloves	Aug. 11, 1875	Aug. 31, 1875
3, 239	West, Trafford & Co., Westport, Mass. Medical preparation	Nov. 24, 1875	Dec. 14, 1875
6, 731	Westfield Cigar Maker's Co-operative Association, Westfield, Mass. Cigars	June 21, 1875	July 6, 1875
2, 916	Weyman & Brother, Pittsburgh, Pa. Snuff	July 28, 1875	Sept. 7, 1875
2, 943	Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Sewing-machines	July 17, 1875	Sept. 14, 1875
2, 531	Whelock, Joseph, jr., Troy, N. Y. Shirts	Mar. 2, 1875	Aug. 17, 1875
3, 145	White & Co., R. H., Boston, Mass. Kid gloves	Oct. 26, 1875	Nov. 16, 1875
3, 146	Same..... same	Oct. 26, 1875	Nov. 16, 1875
2, 227	White & McCracken, Des Moines, Iowa. Cigars	Jan. 2, 1875	Feb. 9, 1875
3, 184	Whiteley, Fassler & Kelly, Springfield, Ohio. Harvesting-machines	Feb. 1, 1873	Nov. 30, 1875
3, 185	Same..... Self-rakes, droppers, reels, &c., of harvesters	Feb. 1, 1873	Nov. 30, 1875
3, 186	Same..... Guard-fingers, knife-sections, &c., of harvesters	Feb. 1, 1873	Nov. 30, 1875
3, 027	Whiteley, George, Philadelphia, Pa. Schieliam gin	July 31, 1875	Oct. 11, 1875
2, 571	Whitlock & Abrams, Richmond, Va. Cigars	May 11, 1875	May 18, 1875
2, 336	Whitman Agricultural Works, Saint Louis, Mo. Cider-mills	Mar. 22, 1875	Mar. 30, 1875
3, 076	Whitman & Son, Stephen F., Philadelphia, Pa. Confectionery	Jan. 26, 1874	Oct. 19, 1875
2, 318	Whitney & Co., Lowell, Mass. Prepared beef and beef tongues	Mar. 13, 1875	Mar. 23, 1875
3, 077	Whitney & Currier, Toledo, Ohio. Church and parlor reed-organs	June 3, 1875	Oct. 13, 1875
2, 634	Whyland, Albert E., New York, N. Y. Soap	May 15, 1875	June 1, 1875
2, 512	Wiard & Hough, East Avon, N. Y. Plows, cultivators, &c.	Mar. 20, 1872	May 11, 1875
2, 317	Wiener, George, Philadelphia, Pa. Cigars	Jan. 25, 1875	Feb. 9, 1875
2, 918	Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing-machines	July 27, 1875	Sept. 7, 1875
2, 918	Same..... Sewing-machine needles and attachments	July 27, 1875	Sept. 7, 1875
2, 856	Wildner & Co., Ashland, N. H., and Boston, Mass. Water-closet paper	Apr. 19, 1875	Aug. 24, 1875
2, 655	Willets & Co., Philadelphia, Pa. Fever and ague pills	May 18, 1875	June 8, 1875
2, 292	Williams, Blanchard & Co., San Francisco, Cal. Teas	Jan. 18, 1875	Feb. 2, 1875
2, 293	Same..... same	Jan. 18, 1875	Feb. 2, 1875
2, 253	Same..... same	Feb. 10, 1875	Feb. 23, 1875
2, 211	Williams, J. H. & N. A., Utica, N. Y. Wiro goods	Jan. 25, 1875	Feb. 2, 1875
3, 241	Williams, Lydia A., Warren, Pa. Washing-powder	Oct. 26, 1875	Dec. 14, 1875
2, 600	Williams, Thomas C., and James Thomas, jr., Richmond, Va. Tobacco	June 23, 1871	May 25, 1875
2, 832	Williamson, Edward J., Saint Louis, Mo. Beverages	June 6, 1871	Aug. 17, 1875
2, 833	Williston, A. Lyman, Northampton, Mass. Indelible ink	Jan. 29, 1872	Aug. 31, 1875
3, 039	Wilson & Co., Walter G., Philadelphia, Pa. Cakes, crackers, and biscuits	Sept. 22, 1875	Oct. 11, 1875
2, 935	Wilson Packing Company, Chicago, Ill. Prepared meats	July 24, 1875	Sept. 14, 1875
3, 055	Wood & Brothers, J., Philadelphia, Pa. Sheet-iron	Sept. 17, 1875	Oct. 19, 1875
2, 714	Wood & Co., Alan, Philadelphia, Pa. Sheet or plate iron	Aug. 11, 1871	July 20, 1875
2, 745	Same..... Sheet and plate iron	Aug. 11, 1871	July 23, 1875
3, 187	Wood & Co., O. K., West Chazy, N. Y. Grain-separators	Nov. 11, 1875	Nov. 30, 1875
3, 188	Same..... same	Nov. 11, 1875	Nov. 30, 1875
3, 285	Wood Mowing and Reaping Machine Company, Walter A., Hoosick Falls, N. Y. Mowing and reaping machines and grain-binders	Dec. 13, 1875	Dec. 28, 1875
2, 211	Wood, Weeks & Co., Baltimore, Md. Refined sugars	Sept. 29, 1874	Feb. 16, 1875
3, 123	Woodruff & Co., H. S., Jancsville, Wis. Trace-buckles	Sept. 13, 1875	Nov. 2, 1875
6, 732	Woods, Sherwood & Co., Lowell, Mass. Wire goods	Jan. 8, 1875	July 6, 1875
2, 212	Woodward, James E., Boston, Mass. Medicine	Jan. 22, 1875	Feb. 2, 1875
3, 056	Woodworth & Son, C. B., Rochester, N. Y. Perfumeries	Feb. 27, 1875	Oct. 19, 1875
2, 919	Wright & Co., J. P., Philadelphia, Pa. Smoked meats and other provisions	July 24, 1875	Sept. 7, 1875
2, 936	Wright, Harriet E., New York, N. Y. Remedy for St. Vitus' dance or chorea	July 2, 1875	Sept. 14, 1875
1, 826	Ybor & Co., V. Martinez, New York, N. Y. Tobacco and cigars	Sept. 24, 1875	Dec. 28, 1875
3, 287	Same..... same	Oct. 12, 1875	Dec. 28, 1875
2, 572	Yerba Buena Bitters Company, San Francisco, Cal. Medicine	Apr. 16, 1875	May 18, 1875
2, 337	Young, Ladd & Coffin, New York, N. Y. Atomizers	Mar. 13, 1875	Mar. 30, 1875
2, 451	Zoller & Little, Baltimore, Md. Roasted coffee	Apr. 23, 1875	May 4, 1875
2, 452	Same..... same	Apr. 21, 1875	May 4, 1875



LIST OF LABELS REGISTERED DURING THE YEAR 1875.

No.	Name, residence, and title.	Date of filing.	Date of registration.
177	Al Burtis, Edward K., Ridgefield, N. J. "A specific for the cure of Bronchitis, etc."	Jan. 30, 1875	Feb. 20, 1875
455	Aldom, Edward, Brooklyn, N. Y. "The Golden Bird Gravel"	Dec. 18, 1875	Dec. 28, 1875
171	Alexander & Brother, Austin, Tex. "Alexander's Texas Tonic Pills for Chills and Fevers"	Feb. 5, 1875	Feb. 20, 1875
172	Same..... "Alexander's Compound Elixir of Stillingia, with Iodide Potash, etc."	Feb. 5, 1875	Feb. 20, 1875
173	Same..... "Alexander's Pectoral Sirup for Conghs, Colds, etc."	Feb. 5, 1875	Feb. 20, 1875
174	Same..... "Alexander's Neutralizing Cordial for Diarrhea, etc."	Feb. 5, 1875	Feb. 20, 1875
175	Same..... "Alexander's Compound Extract of Buchu"	Feb. 5, 1875	Feb. 20, 1875
259	Am Ende, Charles G., Hoboken, N. J. "Liquid of Borates Compound"	June 24, 1875	June 29, 1875
260	Anderson, Christian, Dayton, Ohio. "Anderson's Toothache Specific"	June 12, 1875	June 29, 1875
413	Appleton, Lancaster & Co., Lexington, Ky. "Lexington Doeskin Jeans"	Nov. 6, 1875	Dec. 7, 1875
414	Aschmann, Godfrey, Philadelphia, Pa. "Sunlight Stove Blacking"	Nov. 16, 1875	Dec. 7, 1875
319	Atwood, Hermon W., New York, N. Y. "The Atwood Cologne"	July 31, 1875	Sept. 14, 1875
427	Babcock, James A., New York, N. Y. "Silver shine for Silver Plated Ware," &c.	Nov. 29, 1875	Dec. 14, 1875
253	Badger, Benjamin F., Charlestown, Mass. "Caution"	May 28, 1875	June 3, 1875
211	Baker, Isaac L., Dayton, Ohio. "Stir Well Before Pouring"	Mar. 11, 1875	Mar. 17, 1875
396	Balscr, Gustavus, New York, N. Y. "Balscr's Fever and Ague Cure"	Sept. 15, 1875	Sept. 21, 1875
251	Barber Match Company, Akron, Ohio. "Barber Match Company, Akron, O."	May 5, 1875	June 1, 1875
246	Bayles, Alfred G., New York, N. Y. "The Bayles Burner"	May 14, 1875	June 1, 1875
415	Bearsley & Sons, J. W., New York, N. Y. "New York Patent Steam Slicing Co.'s 'Eureka' Smoked Beef"	Dec. 11, 1875	Dec. 7, 1875
296	Bell & Co., R. W., Buffalo, N. Y. "R. W. Bell & Co.'s Transparent Sweet Brier Soap"	July 12, 1875	Aug. 10, 1875
297	Same..... "R. W. Bell & Co.'s Glycerine Soap"	July 12, 1875	Aug. 10, 1875
375	Benjamin & Yerks, Albany, N. Y. "Garden Tomatoes. Benjamin & Yerks, Albany, N. Y."	Nov. 3, 1875	Nov. 9, 1875
238	Benjamin, Edward M., New York, N. Y. "Hand Loom Silk"	Apr. 3, 1875	May 11, 1875
399	Bense, D., Brooklyn, N. Y. "De Bense's Spanish Fever Drops"	Nov. 20, 1875	Nov. 10, 1875
189	Bickley, William M., Philadelphia, Pa. "Rose Glycerine Jelly"	Feb. 23, 1875	Mar. 8, 1875
401	Billings, Clapp & Co., Boston, Mass. "Elixir Peruvian Bark with Protoxide of Iron"	Nov. 15, 1875	Nov. 30, 1875
402	Same..... same	Nov. 20, 1875	Nov. 30, 1875
403	Same..... same	Nov. 15, 1875	Nov. 30, 1875
404	Same..... same	Nov. 20, 1875	Nov. 30, 1875
405	Same..... same	Nov. 15, 1875	Nov. 30, 1875
302	Bonham, J. S., Jacksborough, Tenn. "Bonham's Recipes"	July 16, 1875	Aug. 17, 1875
180	Boswell & Huntington, Norwich, Conn. "Tyler's Compound Honey of Bonset"	Feb. 23, 1875	Mar. 8, 1875
218	Bower, George C., Philadelphia, Pa. "Mead Extract"	Mar. 11, 1875	Apr. 2, 1875
442	Bowker, W. H., Boston, Mass. "Animal Meal"	Dec. 13, 1875	Dec. 21, 1875
359	Brown & Co., Arthur K., Boston, Mass. "Feinture Francaise, or French Dye and Finish"	Oct. 19, 1875	Oct. 26, 1875
217	Brown & Co., J. H., Saint Louis, Mo. "Brown's American Dressing for Boots and Shoes"	Mar. 20, 1875	Apr. 2, 1875
406	Brown, Frederick A., Indianapolis, Ind. "Calendulene; a glycerine jelly for the toilet"	Nov. 20, 1875	Nov. 30, 1875
241	Brown, G. W., Rockford, Ill. "Dr. Brown's Vapor, Electro-Vapor, and Medicated Bath"	May 10, 1875	May 18, 1875
157	Buck & Rayner, Chicago, Ill. "Ozonized Ox-Marrow, for the Hair"	Dec. 29, 1874	Jan. 19, 1875
330	Buhl, George, Saint Joseph, Mo. "Dr. Buhl's Rheumatic Wouder, for External use"	Oct. 2, 1875	Oct. 11, 1875
340	Same..... "Dr. Buhl's Instant Relief, for External and Internal use"	Oct. 2, 1875	Oct. 11, 1875
240	Bullock, John, Bay Ridge, N. Y. "J. N. Richardson, Son & Owden To the Wearer"	May 8, 1875	May 18, 1875
363	Burrill, David T., Brockton, Mass. "Ribbons and Dress Goods as they appear when photographed"	Oct. 23, 1875	Nov. 2, 1875
400	Bush, Leonidas H., Des Moines, Iowa. "Colby's Asthma Remedy"	Nov. 20, 1875	Nov. 30, 1875
428	Byers, William C., Pittsburgh, Pa. "White Rubber Cement"	Dec. 6, 1875	Dec. 14, 1875
347	Caldwell, John A., New York, N. J. "One Pound Centennial Coffee"	Oct. 13, 1875	Oct. 19, 1875
364	Carell, S. F., New York, N. Y. "Carell's Aromatic Wine-Bitters"	Oct. 21, 1875	Nov. 2, 1875
320	Carter, John M., Newburyport, Mass. "Japanese Wafers"	Aug. 18, 1875	Sept. 14, 1875
268	Carter, L. F., Georgetown, Mass. "Carter's Aromatic Scotch Bitters"	July 6, 1875	July 13, 1875
152	Chome & Co., New York, N. Y. "The French Vicious Essence"	Nov. 7, 1874	Jan. 6, 1875
234	Clark, Walter V., and Elon Huntington, New York, N. Y. "Duane Mills"	May 3, 1875	May 11, 1875
256	Cobb, Annie M., Newark, N. J. "Great Fever Remedy, Ten-Day-Aguc-Cure"	May 11, 1875	June 15, 1875
321	Coleman, John R., Saint Louis, Mo. "Florentine; A New Iron Water"	Sept. 2, 1875	Sept. 14, 1875
379	Collin, James S., New York, N. Y. "Conlin's Shooting Gallery, 930 Broadway"	Nov. 3, 1875	Nov. 16, 1875
417	Comfort, Charles L., Philadelphia, Pa. "Comfort's Conserve of Hollyhock for Colds, &c."	Nov. 13, 1875	Dec. 7, 1875
418	Same..... "Dr. Comfort's Composing Cordial"	Nov. 13, 1875	Dec. 7, 1875
176	Cook, David C., Chicago, Ill. "For Singer, New Family, Brees, and Home, No. B. A. <sup>100,</sup> / <sub>100</sub> "	Feb. 8, 1875	Feb. 20, 1875
416	Cooke, William G., New Haven, Conn. "Royal Dietamia or Medicinal Nutritive"	Nov. 29, 1875	Dec. 7, 1875
314	Corning, William O., New Canaan, Conn. "Cornings German Cologne"	Aug. 24, 1875	Sept. 1, 1875
419	Cox, Thomas J., jr., Orange, N. J. "An Elegant and Fragrant Preparation for Cleansing and Preserving the Teeth—Orisena"	Dec. 1, 1875	Dec. 7, 1875
348	Craig, Randolph, Morristown, Pa. "R. Craig's Tasteless Tonic Pills"	Oct. 9, 1875	Oct. 19, 1875
349	Cram & Melcher, Chicago, Ill. "Lightning Fluid"	Oct. 14, 1875	Oct. 19, 1875
216	Cranshaw, William, Pittsburgh, Pa. "Toilet Levigated Soap"	Feb. 8, 1875	Apr. 2, 1875
247	Crawford, George H., Ellington, N. Y. "Whisky Antidote"	Apr. 30, 1875	June 1, 1875
350	Crockett, David B., New Haven, Conn. "David B. Crockett's Genuine Spar Composition"	Oct. 14, 1875	Oct. 19, 1875
229	Crosby, F., New York, N. Y. "Vitalized Phosphates"	Mar. 25, 1875	Apr. 17, 1875
456	Davidson, Henry M., Ogdensburgh, N. Y. "Davidson's Instant Tooth-Ache Cure"	Dec. 20, 1875	Dec. 28, 1875
351	Davis, N. P., East Jackson, Me. "Davis' Electric Cholera Remedy"	Sept. 24, 1875	Oct. 19, 1875
220	Dawson, Rachel, Winchester, Ohio. "Dr. Dawson's Colub Syrup"	Mar. 22, 1875	Apr. 2, 1875
376	De Lang, Osterlind & Co., Chicago, Ill. "Holt's Champion Copying and Writing Fluid"	Oct. 22, 1875	Nov. 9, 1875
212	Dennis, William S., Woodstock, Conn. "Dennis' Vegetable Horse Syrup for the Cure of Coughs, Colds, etc."	Mar. 16, 1875	Mar. 17, 1875
281	Deckun & Son, Thomas, Brooklyn, N. Y. "Pure Medicated Brandies"	May 22, 1875	July 20, 1875
254	Donovan, Michael, Henry, and William F., Weymouth, Mass. "Donovan's Rheumatic Liniment"	May 27, 1875	June 7, 1875
307	Dows & Co., B. W., Lowell, Mass. "Dows' East End Cologne"	July 29, 1875	Aug. 24, 1875
225	Drake & Brown, West Lebanon, N. H. "Chilblain Specific"	Mar. 27, 1875	Apr. 17, 1875
365	Drake, Rntger L., Troy, N. Y. "Glycerine and Camphor Cream"	Oct. 25, 1875	Nov. 2, 1875
312	Dueber Watch-Case Manufacturing Company, Cincinnati, Ohio. "The Dneber Watch-Case Mfg. Co."	Aug. 13, 1875	Aug. 24, 1875
443	Dunn, Francis, Brooklyn, N. Y. "Dunn's Elixir of Wild Cherry and Tar"	Dec. 14, 1875	Dec. 21, 1875
291	Edson, Marmont B., Brooklyn, N. Y. "Chart adapted for and used with Edson's Pressure Recording Gages"	Mar. 11, 1875	Aug. 3, 1875
236	Elliott, Horace H., Boston, Mass. "H. H. Elliott's Pain Reliever, etc."	Apr. 28, 1875	May 11, 1875
426	Emmerich, August, New London, Conn. "The Pequot Cigar"	Dec. 1, 1875	Dec. 7, 1875
444	Falkenberg, Benjamin, Philadelphia, Pa. "A Certain Cure for Gonorrhoea and Gleet"	Aug. 5, 1875	Dec. 21, 1875
364	Farrar & Co., S. B., Chicago, Ill. "The Triumph Gas or Domestic Compound for Illuminating Purposes"	Oct. 15, 1875	Nov. 2, 1875

List of labels registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
429	Farrell, Hiram G., Peoria, Ill. "H. G. Farrell's Celebrated Arabian Liniment"	Dec. 7, 1875	Dec. 14, 1875
360	Filkins, Bro., M. L., Albany, N. Y. "Dr. J. Blackman's Genuine Healing Balsam"	Oct. 14, 1875	Oct. 26, 1875
248	Fillette, Theodore, New York, N. Y. "Fillett's Sherry Wine Tonic"	May 22, 1875	June 1, 1875
327	Finch, Mrs. R. P., South Bend, Ind. "Mrs. R. P. Finch's Transformer for Curling the Hair"	Sept. 11, 1875	Sept. 21, 1875
269	Fisk, Clark & Flagg, New York, N. Y. "Fisk, Clark & Flagg, City Made"	June 3, 1875	July 13, 1875
380	Fitzgerald, John L., Spencer, Mass. "For Single Box, \$1.00. This Irish Salve is warranted to cure, &c."	Nov. 5, 1875	Nov. 16, 1875
165	Forest Tar Co., Portland, Me. "Forest Tar in Solution, for Inhalation, and as a wash for all Diseases of the Skin"	Feb. 1, 1875	Feb. 20, 1875
166	Same..... "Forest Tar Troches, for Bronchitis, etc."	Feb. 1, 1875	Feb. 20, 1875
167	Same..... "Forest Tar for Consumption, etc."	Feb. 1, 1875	Feb. 20, 1875
168	Same..... "Forest Tar Salve"	Feb. 1, 1875	Feb. 20, 1875
231	Same..... "Forest Tar Soap, for cleansing and healing the Skin"	Apr. 8, 1875	Apr. 17, 1875
445	Foss, Lauritz, Chicago, Ill. "Sympathetic Writing Fluid"	Dec. 11, 1875	Dec. 21, 1875
270	Frost & Co., C. C., Manchester, N. H. "Dr. C. C. Frost's Indian Vegetable Cough and Humor Cure"	June 14, 1875	July 13, 1875
261	Frost, George, and George H. Phelps, Boston, Mass. "The Dress-Reform Corset-Waist and Skirt-Supporter"	June 18, 1875	June 29, 1875
271	Früh, Carl D. S., Philadelphia, Pa. "Holyoke Sarsaparilla Cream"	June 29, 1875	July 13, 1875
430	Gaines & Co., W. A., Frankfort, Ky. "Old Hermitage Bourbon Whiskey"	Dec. 4, 1875	Dec. 14, 1875
431	Same..... "Old Hermitage Rye Whisky"	Dec. 4, 1875	Dec. 14, 1875
330	Garceau, Alexander, Boston, Mass. "Pepsinated Food for Infants and Invalids"	Sept. 20, 1875	Sept. 28, 1875
394	Garden & Minor, Belmont, Wis. "That Liniment. Good for Man or Beast"	Oct. 20, 1875	Nov. 23, 1875
179	Gates, George W., Providence, R. I. "Dr. Tremaine's Improved Hair Oil"	Feb. 11, 1875	Feb. 20, 1875
367	Gause, John H., Cleveland, Ohio. "John H. Gause & Co., Neptune Brand Spices"	Jan. 12, 1875	Nov. 2, 1875
315	Gerard, Peter, Philadelphia, Pa. "Delaware Oil"	Aug. 10, 1875	Sept. 1, 1875
252	Gill, Ebenezer, Great Bend, Pa. "Gill's Bilious and Liver Pills"	July 1, 1875	July 13, 1875
264	Gillet, McCulloch & Co., Chicago, Ill. "Gillet's Laundry Castile Soap"	June 23, 1875	June 29, 1875
352	Gillis, Mary K., Bremen, Ohio. "Dr. S. M. Gillis' Pyro-Magic Liniment"	Oct. 11, 1875	Oct. 19, 1875
228	Girard, Francis, Philadelphia, Pa. "Dr. F. Girard's Liniment for horses and cattle"	Mar. 25, 1875	Mar. 17, 1875
353	Golden, Owen H., Buffalo, N. Y. "Dr. Golden's Magnetic Ointment"	Oct. 5, 1875	Oct. 19, 1875
181	Goodrich, H. C., Philadelphia, Pa. "Goodrich's Tuck Folder"	Feb. 10, 1875	Feb. 25, 1875
205	Great American Confectionery Company, New York, N. Y. "Haggis Chewing Gum"	Feb. 20, 1875	Mar. 16, 1875
354	Greaves, Catherine A., and Martha D. Chapman, Hartford, Conn. "Westminster Sance"	Oct. 6, 1875	Oct. 19, 1875
316	Green, John, Somerville, Mass. "Olive Catarrh Remedy"	Aug. 13, 1875	Sept. 1, 1875
323	Green, Lewis M., Woodbury, N. J. "Dr. A. Boscch's German Syrup of Tar, Wild Cherry, &c."	Sept. 18, 1875	Oct. 5, 1875
298	Griffith, William A., Washington, D. C. "Griffith's Rheumatic Relief"	Aug. 5, 1875	Aug. 10, 1875
299	Same..... "Cancer and Tetter Cure"	Aug. 5, 1875	Aug. 10, 1875
300	Same..... "Griffith's Catarrh Remedy"	Aug. 5, 1875	Aug. 10, 1875
395	Gruinan & Co., J. B., Westwood, N. J. "Gruinan's Genuine English Mustard"	Nov. 15, 1875	Nov. 23, 1875
421	Hall, John D., Brooklyn, N. Y. "Men and Youtbs Pants and Vest Patterns"	Dec. 2, 1875	Dec. 7, 1875
432	Ham, Herbert H., Boston, Mass. "Ham's Pure German Mustard"	Dec. 6, 1875	Dec. 14, 1875
282	Hamed & Co., Brooklyn, N. Y. "The Victory"	Dec. 31, 1875	July 20, 1875
262	Harrington & Co., John, Boston, Mass. "Home Made Shirt"	June 17, 1875	June 29, 1875
186	Harris, C. P., Danmariscotta, Me. "Harris' Anodyne Liniment, Internal and External, for Man and Beast"	Feb. 23, 1875	Mar. 8, 1875
322	Harris, John J., Evansville, Ind. "Harris' (Sherwood's) Cough Specific and Lung Balsam"	Sept. 6, 1875	Sept. 14, 1875
222	Harris, Joseph W., Providence, R. I. "Cleansing Fluid for Destroying Bed Bugs, etc."	Mar. 18, 1875	Apr. 2, 1875
273	Harrison, William, Lawrence, Mass. "The Leader Shirt"	Feb. 11, 1875	July 13, 1875
224	Heath, Mead & Co., Mount Clemens, Mich. "Warrantee"	Mar. 20, 1875	Apr. 2, 1875
233	Herzinger, L., New York, N. Y. "Blut & Saftre Reinigungs Thee"	May 1, 1875	May 11, 1875
249	Same..... "Echte Hollandsche Drie Honinger Thee"	May 1, 1875	June 1, 1875
283	Same..... "L. Wassly's Alpenkrauter Thee"	June 17, 1875	July 20, 1875
433	Heische Bros., Newport, Ky. "Beware of Counterfeit Notes"	Nov. 24, 1875	Dec. 14, 1875
226	Hill, C. B., Roxbury, Mass. "The Celebrated Ribbon Crisp Candy"	Mar. 27, 1875	Apr. 17, 1875
183	Hohl, August, Philadelphia, Pa. "Pastiles Aromatic for Sick Room and Parlor"	Feb. 5, 1875	Feb. 25, 1875
303	Hollen, F., Wilsonburgh, Ill. "Dr. Hollen's Healing Oil"	June 10, 1875	Aug. 17, 1875
361	Hollon, Henry W., Skaneateles, N. Y. "Hollon's Headache Remedy"	Oct. 19, 1875	Oct. 26, 1875
446	Hoyt, Belle K., Providence, R. I. "German Nerve Balm"	Dec. 13, 1875	Dec. 21, 1875
185	Hunt, George W., West Baltimore, Ohio. "George W. Hunt's Great Dyspepsia Cure"	Feb. 19, 1875	Feb. 25, 1875
434	Jacobson, Julius, Boston, Mass. "Golden Medal"	Dec. 4, 1875	Dec. 14, 1875
457	Jennings, Russell, Deep River, Conn. "Extension-Lip Spur Auger Bitts"	Dec. 18, 1875	Dec. 28, 1875
257	Johnson & Co., H. T., Boston, Mass. "The Standard Desk Pad"	May 5, 1875	June 15, 1875
334	Johnson & Co., Oliver, Providence, R. I. "Barber's Indian Vegetable Janndice Bitters"	Sept. 25, 1875	Oct. 5, 1875
287	Joy, Frank L., Chicago, Ill. "Livingston's Indelible Carmine Ink"	July 28, 1875	July 27, 1875
188	Kebbe, Chaffee & Co., Philadelphia, Pa. "S K 110 C B"	Feb. 19, 1875	Mar. 8, 1875
288	Kellogg, E. H., New York, N. Y. "Anti Corrosive Cylinder Oil"	July 15, 1875	July 27, 1875
341	Same..... "Superlative Wool and Spindle Oil"	Aug. 30, 1875	Oct. 11, 1875
362	Same..... "Stainless Wool and Spindle Oil"	Oct. 20, 1875	Oct. 26, 1875
368	Same..... "Anti-Frothing Oil"	Oct. 25, 1875	Nov. 2, 1875
458	Same..... "Brilliant Signal Oil"	Dec. 20, 1875	Dec. 28, 1875
459	Same..... "XX Engine and Spindle Oil"	Dec. 20, 1875	Dec. 28, 1875
169	Kellogg, Henry H., Watertown, N. Y. "Kellogg's Arnica Wormwood & Witch Hazel Medicated Sticking Salve and Strengthening Plaster"	Feb. 10, 1875	Feb. 20, 1875
355	Same..... "Jelly Glue"	Oct. 17, 1875	Oct. 19, 1875
356	Same..... "Domestic Glue"	Sept. 17, 1875	Oct. 19, 1875
329	Kelly, Riley & Co., Millville, Pa. "The Irish Fairy Gloss Starch"	Sept. 4, 1875	Sept. 21, 1875
162	Kendall, W. H., Boston, Mass. "Kendall's Pleasant Regulating Lozenges"	Jan. 20, 1875	Feb. 2, 1875
369	King, Charles F., P. B. Howland, and Samuel Parker, Chicago, Ill. "The Celebrated Florentine Flake Candy"	Oct. 29, 1875	Nov. 2, 1875
187	King, D. G., Newport, Me. "King's German Invigorating Cordial. Purely Vegetable"	Feb. 26, 1875	Mar. 8, 1875
326	Knoxlion, Albert T., Titusville, Pa. "Erasine, for Erasing Ink from Paper, and Removing Stains from Cotton, &c."	Nov. 15, 1875	Nov. 23, 1875
422	Kulme, H., Cincinnati, Ohio. "Dr. Kulme's Stimulating Liniment"	Dec. 2, 1875	Dec. 7, 1875
284	Kunkel, Edwin F., Philadelphia, Pa. "Kunkel's Bitter Wine of Iron"	Mar. 3, 1875	July 29, 1875
357	Laemurich, August, New York, N. Y. "Brink' mich ans und leg' mich nieder; steh' ich auf dann ill mich wieder"	Sept. 30, 1875	Oct. 19, 1875
184	Laurence, W. H., Brooklyn, N. Y. "Mrs. Van Sicklen's Carbolated Family Salve"	Feb. 19, 1875	Feb. 25, 1875
397	Lautenbach, Robert, Baltimore, Md. "Lautenbach's Cod Liver Oil, with Churchill's Hypophosphites and Phosphate of Lime"	Nov. 5, 1875	Nov. 23, 1875
323	Lantz Brothers & Co., Buffalo, N. Y. "Hamburger Seite"	July 8, 1875	Sept. 14, 1875
263	Leiser & Sommerhoff, New York, N. Y. "Warranted 12 Yards"	June 26, 1875	June 29, 1875
324	Leonard, Jonathan, Norwalk, Ohio. "Recipe and Directions for making Crystal Maple Sirup"	May 19, 1875	Sept. 14, 1875
259	Lester, George, Brooklyn, N. Y. "Empire City Glaziers' Points"	May 26, 1875	June 1, 1875
407	Levison & Blythe, Saint Louis, Mo. "Champion Violet Copying and Record Fluid"	Mar. 18, 1875	Nov. 30, 1875
169	Linde & Co., Frederick C., New York, N. Y. "This case has been Sampled. Stripped. Sample Warranted"	Jan. 18, 1875	Jan. 22, 1875
274	Loag, Samuel, Philadelphia, Pa. "Dublin Laundry Blue"	June 16, 1875	July 13, 1875
336	Magee, George A., Paterson, N. J. "George A. Magee, Manufacturer of Awnings, Banners, Tents, and Flags"	Sept. 24, 1875	Oct. 5, 1875

List of labels registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
408	Marble & Co., Jerome, Worcester, Mass. "Vats and appliances for using Jerome Marble & Co.'s Patent Indigo-Blue Dye, Worcester, Mass."	June 11, 1875	Nov. 30, 1875
335	Marsh, Hurd & Co., New York, N. Y. "Hurd's Magical Mixture for Washing Clothes"	Sept. 24, 1875	Oct. 5, 1875
447	Martin, Israel W., Irvin, Ind. "Dr. Martin's Ague Pills"	Dec. 10, 1875	Dec. 21, 1875
462	Mathis, Charles B., Tom's River, N. J. "Mathis' Quarter Dollar Family Liniment"	Dec. 20, 1875	Dec. 28, 1875
242	May, Alexander, Jeffersonville, Ind. "Superior Coloring for Butter"	May 17, 1875	May 18, 1875
423	Mayne, Charles, New York, N. Y. "Deutches Kindermehl—German Infant Meal"	Nov. 29, 1875	Dec. 7, 1875
191	McAleer, F. & A., New York, N. Y. "This case has been regularly stripped and sampled. We guarantee the Sample"	Mar. 2, 1875	Mar. 8, 1875
192	Same. "Stripped and Guaranteed"	Mar. 2, 1875	Mar. 8, 1875
435	McConnell, William, Philadelphia, Pa. "Amusement, Novelty, and Variety. The Seasons and Cassino"	Nov. 27, 1875	Dec. 14, 1875
170	McClulloch & Co., Gillet, Chicago, Ill. "Gillet's Kitchen Castile Soap"	Jan. 25, 1875	Feb. 20, 1875
383	Meissner, William, Detroit, Mich. "Wm. Meissner, Proprietor of the Palace Royal Cigars"	Nov. 8, 1875	Nov. 16, 1875
410	Merchants' Tobacco Company, Boston, Mass. "Hopeful Tobacco, Manufactured by the Merchants' Tobacco Co., Boston, Mass."	Nov. 12, 1875	Nov. 30, 1875
411	Same. "Sisters. Sisters' Tobacco, Manufactured by the Merchants' Tobacco Co., Boston, Mass."	Oct. 30, 1875	Nov. 30, 1875
412	Same. "Rival. Rival Tobacco, Manufactured by the Merchants' Tobacco Co., Boston, Mass."	Oct. 30, 1875	Nov. 30, 1875
342	Metcalf & Co., Theodore, Boston, Mass. "T. Metcalf & Co., 39 Tremont St., Boston. Sachet Powder"	Oct. 2, 1875	Oct. 11, 1875
370	Same. "Sachet Powders. T. Metcalf & Co., Boston"	Oct. 29, 1875	Nov. 2, 1875
292	Meyer & Co., A. C., Baltimore, Md. "Bull's Cough Syrup"	July 29, 1875	Aug. 3, 1875
328	Same. "Dr. Bull's Celebrated Pectoral Compound Cough-Syrup"	July 29, 1875	Sept. 21, 1875
265	Miller & Co., S. H., Brooklyn, N. Y. "Patent Single Thread Chain-Stitch Attachment"	June 24, 1875	June 29, 1875
258	Miller, Eliza, and Emeline E. Edwards, Philadelphia, Pa. "Dr. Evans' Herb Syrup"	May 13, 1875	June 15, 1875
221	Miller, Levi L., Canton, Ohio. "Levigated Toilet Soap"	Mar. 15, 1875	Apr. 2, 1875
150	Miller, Son & Co., F., New York, N. Y. "Improved French Blacking"	Feb. 12, 1875	Feb. 20, 1875
381	Mitchell, George E., Lowell, Mass. "Mitchell's Centennial Cologne"	Nov. 10, 1875	Nov. 16, 1875
156	Montgomery & Co., Philadelphia, Pa. "Lavelle's Celebrated Fit Powders"	Dec. 29, 1874	Jan. 6, 1875
266	Moore, Charles C., Elizabeth, N. J. "Moore's Pilules"	June 22, 1875	June 29, 1875
275	Morgan, A., Cambridge, Mass. "Morgan's Polish Reviver"	May 31, 1875	July 13, 1875
210	Morgan, Henry C., Brooklyn, N. Y. "1-2 Doz. Coils Percussion-Primers"	Mar. 15, 1875	Mar. 16, 1875
153	Morgan, William G., Brooklyn, N. Y. "Igniting Tap for the Stockwell Self-Lighting Gas-Burner"	Dec. 26, 1874	Jan. 6, 1875
448	Moriarty, E. J., Clarence, Iowa. "Moriarty's Vegetable Canadian Balm"	Dec. 10, 1875	Dec. 21, 1875
377	Morris & Co., Edward S., Philadelphia, Pa. "Pure Palm Soap, Made in Liberia, Africa"	Nov. 3, 1875	Nov. 9, 1875
382	Mosher, Charles D., Chicago, Ill. "Mosher's Historical National Photographic Art Gallery"	Nov. 11, 1875	Nov. 16, 1875
424	Nashawannuck Manufacturing Company, East Hampton, Mass. "Centennial Brace"	Dec. 3, 1875	Dec. 7, 1875
460	Same. "Continental Brace, Manufactured by the Nashawannuck Manufacturing Company"	Dec. 17, 1875	Dec. 28, 1875
239	National Rubber Company, Providence, R. I. "National Rubber Co., Providence, Rhode Island"	Apr. 13, 1875	May 11, 1875
159	National Suspender Company, New York, N. Y. "The Pivot Brace"	Dec. 21, 1875	Jan. 22, 1875
409	Same. "Corded End Suspender. Each pair will be stamped"	Nov. 19, 1875	Nov. 30, 1875
285	Nichols, F. B., New York, N. Y. "The Grantville Carbolic Acid"	June 22, 1875	July 20, 1875
232	Nichols, Mrs. H. C., East Cambridge, Mass. "Mrs. Nichols' Cure for Nervous or Sick Headache"	Apr. 17, 1875	May 4, 1875
371	Noe, William V., New York, N. Y. "William V. Noe, Manufacturer of the Phosphatic Lead Paint"	Oct. 22, 1875	Nov. 2, 1875
209	Noyes, P. J., Lancaster, N. H. "Carbolic Cream"	Mar. 8, 1875	Mar. 16, 1875
461	O'Brien, M. J., Binghamton, N. Y. "Two Orphans—Cigar manufactured by M. J. O'Brien, Binghamton, N. Y."	Nov. 3, 1875	Dec. 28, 1875
331	Oliver, James L., Boston, Mass. "Teethina—The only Tooth-Powder approved by the Tremont Dentistry of Boston"	Sept. 18, 1875	Sept. 28, 1875
308	Oliver, Paul A., Wilkesbarre, Pa. "Creedmoor Rifle"	Apr. 26, 1875	Aug. 24, 1875
369	Orcutt & Son, D. Painted Post, N. Y. "Orcutt's Salt Rheum Cure"	Apr. 17, 1875	Aug. 24, 1875
436	Owens, R. J., Brooklyn, N. Y. "R. J. Owens, chemist, Carbolic Acid Family Salve"	Dec. 9, 1875	Dec. 14, 1875
384	Paris, Allen & Co., New York, N. Y. "Old Crow Distillery Whisky, W. A. Gaines, distiller, Woodford Co., Ky."	Oct. 27, 1875	Nov. 16, 1875
425	Parker & Co., Brooklyn, N. Y. "Carbolic Pocket Disinfectant"	Dec. 2, 1875	Dec. 7, 1875
267	Patt, Otis T., Woonsocket, R. I. "Dr. O. T. Patt's Veterinary Ointment"	June 19, 1875	June 29, 1875
154	Payn, John G., New York, N. Y. "John G. Payn's Sure Raising Flour"	Dec. 26, 1874	Jan. 6, 1875
332	Peck, Stow and Wilcox Company, Southington, Conn. "50 Superior Carriage-Bolts of Best Refined Iron"	Sept. 20, 1875	Sept. 28, 1875
214	Pelton, Charles A., Middletown, Conn. "Judd's Medicated Liquid Cuticle"	Mar. 13, 1875	Mar. 17, 1875
310	Peters, C. W., Fort Madison, Iowa. "Peters' Catarrh Remedy"	Aug. 20, 1875	Aug. 24, 1875
157	Peters, F. M., Olney, Ill. "The Great Pawnee Indian Remedy"	Jan. 15, 1875	Jan. 19, 1875
437	Piper, Charles S., Boston, Mass. "Russian Waterproof Leather-Preservative"	Dec. 7, 1875	Dec. 14, 1875
276	Popper, Morris, New York, N. Y. "The Adjustable Shirt Front with Fitting Neckband for Shirt"	July 3, 1875	July 13, 1875
337	Putnam, John H., Mansfield, Pa. "Mansfield-Iron Paints"	Sept. 23, 1875	Oct. 5, 1875
213	Ragland, J. B., Jackson, Tenn. "Relief"	Dec. 28, 1874	Mar. 17, 1875
208	Raynolds, C. T., New York, N. Y. "Gold-size Coach colors"	Mar. 8, 1875	Mar. 16, 1875
387	Reichardt, F. Alfred, New York, N. Y. "Reichardt's Salicylic Horse Cure"	Oct. 21, 1875	Nov. 16, 1875
386	Relief Manufacturing Company, New York, N. Y. "Mist, Limonis Comp."	Aug. 28, 1875	Nov. 16, 1875
289	Restein Bros., Philadelphia, Pa. "Pennsylvania Collar Company, Phila."	July 17, 1875	July 27, 1875
372	Reynolds, Edmund D. and Oliver B., Brockton, Mass. "List of Goods Shipped"	Oct. 23, 1875	Nov. 2, 1875
385	Richardson & Robbins, Dover, Del. "Richardson & Robbins, Extra Yellow Peaches"	Nov. 2, 1875	Nov. 16, 1875
426	Rick Brothers, Reading, Pa. "Right and Left Acorn Butts"	Nov. 29, 1875	Dec. 7, 1875
207	Ricker & Co., John J., York, Pa. "Dr. Wengert's Ague Remedy"	Feb. 26, 1875	Mar. 16, 1875
200	Riebeling, Adam H., Buffalo, N. Y. "Adam H. Riebeling, Buffalo"	July 12, 1875	July 27, 1875
343	Ripley & Cameron, Flint, Mich. "Prof. Higgins' Healing Ointment"	Oct. 4, 1875	Oct. 11, 1875
344	Same. "Prof. Higgins' Celebrated Condition Powders"	Oct. 4, 1875	Oct. 11, 1875
388	Rosendorf, M. J., Richmond Va. "Capitol, Richmond, Va."	Sept. 6, 1875	Nov. 16, 1875
223	Rowe, Walter R., Lawrence, Mass. "The Leader Shirt"	Mar. 18, 1875	Apr. 2, 1875
161	Rutley, John H., San Francisco, Cal. "Dr. Rutley Great Cough and Lung Sirup"	Jan. 20, 1875	Feb. 2, 1875
155	San Antonio Meat-Extract Factory, San Antonio, Tex. "Liebig's San Antonio Meat-Extract"	Dec. 20, 1874	Jan. 6, 1875
369	Sawyer, Henry, Chelsea, Mass. "Sawyer's Crystal Blue"	Nov. 4, 1875	Nov. 16, 1875
380	Same. "same"	Nov. 4, 1875	Nov. 16, 1875
338	Schwartz, James E., Pittsburgh, Pa. "Fahnes, Haslett & Schwartz"	Sept. 23, 1875	Oct. 5, 1875
315	Same. "Penna. White Lead Works"	Sept. 23, 1875	Oct. 11, 1875
293	Scott, A. W., Cincinnati, Ohio. "Scott's American Cologne"	July 9, 1875	Aug. 3, 1875
185	Scott, Jane, New York, N. Y. "Alkaline Resolvent"	Feb. 23, 1875	Mar. 8, 1875
196	Same. "Compound Chemical Healing Blood and Bone Ointment"	Feb. 23, 1875	Mar. 8, 1875
197	Same. "Compound Fluid Extract of Cancer Plant"	Feb. 23, 1875	Mar. 8, 1875
198	Same. "Catarrh Specific"	Feb. 23, 1875	Mar. 8, 1875
199	Same. "Ethereal Phosphorus"	Feb. 23, 1875	Mar. 8, 1875
200	Same. "Lithia—The New Chemical Dientic"	Feb. 23, 1875	Mar. 8, 1875
201	Same. "Neuralgo-Rheumatic Elixir"	Feb. 23, 1875	Mar. 8, 1875
202	Same. "Nerve Food—The True Nervine"	Feb. 23, 1875	Mar. 8, 1875

List of labels registered during the year 1875—Continued.

No.	Name, residence, and title.	Date of filing.	Date of registration.
203	Scott, Jane, New York, N. Y. "Pile Extract"	Feb. 23, 1875	Mar. 8, 1875
204	Same "5 Minute Fragrant Pain Curer"	Feb. 23, 1875	Mar. 8, 1875
206	Same "Hydrated Oxymel Phosphorus and Fusel Oil"	Feb. 25, 1875	Mar. 16, 1875
278	Same "Dr. Scott's Compound Sugar-Coated May-Apple Pills"	Feb. 25, 1875	July 13, 1875
294	Seidenberg & Co., New York, N. Y. "S. y Ca., La Rosa Española"	Jan. 25, 1875	Aug. 3, 1875
163	Shaw, Charles A., Boston, Mass. "The Carbonized Lamp-Wick"	Jan. 22, 1875	Feb. 2, 1875
311	Simpson, John A., Baltimore, Md. "Peaches. Carmine, Laudin & Co."	Aug. 13, 1875	Aug. 24, 1875
227	Singer & Wheeler, Peoria, Ill. "Pecares' Salve—Cure for Scratches, Flesh-cuts, &c."	Mar. 22, 1875	Apr. 17, 1875
398	Same "Singer & Wheeler—Brilliant White Oil"	Nov. 13, 1875	Nov. 23, 1875
219	Sloum, Edward L., and E. Beecher White, Lancaster, Ohio. "Livingston's Cough Soother"	Mar. 18, 1875	Apr. 2, 1875
450	Sohl, Henry, Boston, Mass. "Dr. Henricus' Compound Santal Oil Troches"	Dec. 13, 1875	Dec. 21, 1875
182	Stall, William B., Providence, R. I. "Stall's Unrivalled Filling, for all kinds of hard wood"	Feb. 15, 1875	Feb. 25, 1875
211	Same "Stall's Consummatum Polish"	Feb. 15, 1875	Mar. 18, 1875
212	Same "Directions for using Stall's Consummatum Polish"	Feb. 15, 1875	Mar. 19, 1875
317	Stanley Rule and Level Company, New Britain, Conn. "Bailey's Patent Iron Block Plane"	Aug. 28, 1875	Sept. 1, 1875
2-6	Stansbury, James, Clermont Mills, Md. "Asbestos and Talc Oil"	May 25, 1875	July 20, 1875
449	Starr, F. Ratchford, Litchfield, Conn. "Echo"	Dec. 11, 1875	Dec. 21, 1875
463	Steel, Thomas R., Philadelphia, Pa. "T. R. Steel's Celebrated Apple Ginger"	Dec. 18, 1875	Dec. 28, 1875
244	Steketee & Kimm, Grand Rapids, Mich. "Kimm's 50c. Premium Aromatic Bitters"	May 17, 1875	May 18, 1875
243	Stern, I. N., Keokuk, Iowa. "Directions for Using the Manhattan Patent Compound Lye"	May 4, 1875	May 18, 1875
164	Stevens, Benaiah L., Philadelphia, Pa. "1776. Stevens' Celebrated. 1876. German Stove Polish"	Jan. 22, 1875	Feb. 2, 1875
358	Stewart, Hamilton P., Franklin, Mass. "Dr. Stewart's Teething Plasters for Children"	Oct. 11, 1875	Oct. 19, 1875
277	Stewart, James M., Franklin, Mass. "Waite's Patent White Felt Wicking"	July 8, 1875	July 13, 1875
255	Stringer, Mrs. John, New York, N. Y. "Stringer's Pulmonic Syrup"	June 1, 1875	June 3, 1875
301	Syvarth & Schlessner, Brooklyn, N. Y. "Kinder Suppen Extract"	Aug. 12, 1875	Aug. 17, 1875
252	Taylor, W. S., Philadelphia, Pa. "Taylor's Compound Syrup of Blood-Root and Tar"	May 18, 1875	June 1, 1875
325	Teetzel, William H., Jackson, Mich. "Teetzel's Compound Extract of Buchu, Cubeba, and Copaiva"	Aug. 24, 1875	Sept. 14, 1875
451	Tetlow, Henry, Philadelphia, Pa. "Henry Tetlow's Blanc Illusion"	Dec. 14, 1875	Dec. 21, 1875
439	Thomas, John W., New Orleans, La. "Thomas' Specific Preparation, Nos. 1, 2, and 3, For the Hair"	Dec. 9, 1875	Dec. 14, 1876
438	Tibbetts, Lewis, Augusta, Me. "Tibbetts' Pile Ointment"	Nov. 23, 1875	Dec. 14, 1875
391	Tilton & Co., S. W., Boston, Mass. "The Sorrento Glue Pot"	Nov. 11, 1875	Nov. 16, 1875
215	Tucker, Frank, Boston, Mass. "Tucker's Chafing-Powder for Old and Young"	Mar. 1, 1875	Apr. 2, 1875
305	Turner, James W., Boston, Mass. "Business Envelope"	May 17, 1875	Aug. 17, 1875
392	Upham, Samuel C., Philadelphia, Pa. "Upham's Malarial, or Fever and Ague Sachet"	Nov. 11, 1875	Nov. 16, 1875
452	Van Alstine, Alonzo, San Francisco, Cal. "Dr. Gunn's Aromatic Elixir Bitters"	Dec. 16, 1875	Dec. 21, 1875
295	Van Arnam, Charles H., Troy, N. Y. "Brazilian Headache Powders"	May 13, 1875	Aug. 3, 1875
373	Wadworth, Dr. E. C., Brooklyn, N. Y. "Centenary Tooth Powder"	Oct. 28, 1875	Nov. 2, 1875
394	Wallace, E. W., Saline, Mich. "E. W. Wallace's National Approved Heave Remedy"	Nov. 8, 1875	Nov. 16, 1875
453	Ward & Co., D. F., Philadelphia, Pa. "Lapalme's Fire Weed"	Dec. 9, 1875	Dec. 21, 1875
301	Warner & Co., William R., Philadelphia, Pa. "Warner's Purgative Soda Water"	July 21, 1875	Aug. 10, 1875
378	Weaver, James B., Philadelphia, Pa. "Weaver's Florida Water"	Nov. 5, 1875	Nov. 9, 1875
193	Weld, Charles D., Malden, Mass. "Egg Baking Powder"	Mar. 3, 1875	Mar. 8, 1875
178	Wells, Ephraim S., Jersey City, N. J. "Rongin on Rats"	Feb. 3, 1875	Feb. 20, 1875
440	Weltz, John J., Ames, Iowa. "Kriess Kringle"	Nov. 13, 1875	Dec. 14, 1875
464	Weston, Byron, Dalton, Mass. "Double Sized Sample Sheet of the Byron Weston Premium Linen Record Paper"	Dec. 20, 1875	Dec. 28, 1875
245	White, Albert H., Somerville, Mass. "Rapert & White's Botanical Liniment"	May 5, 1875	May 18, 1875
306	White, Joseph, Lancaster, Pa. "Mrs. Bender's Candy"	Aug. 2, 1875	Aug. 17, 1875
318	Whitney, G. F., Boston, Mass. "Dr. Goldsmith's Celebrated Swiss Tonic"	Aug. 25, 1875	Sept. 1, 1875
235	Wiers, Dr. H. J., Hartford, Conn. "Sperry's Cough and Croup Syrup"	Apr. 24, 1875	May 11, 1875
237	Same "Dr. I. J. Sperry's Female Monthly Pills"	Apr. 24, 1875	May 11, 1875
313	Wilcox & Co., W. J., New York, N. Y. "W. J. Wilcox & Co., Prime Leaf Lard"	Aug. 17, 1875	Aug. 24, 1875
279	Wildes, Adeline W., Boston, Mass. "Chinese Catarrh Remedy"	June 27, 1875	July 13, 1875
230	Wigglem, William H., New York, N. Y. "Music Manuscript Ink"	Apr. 1, 1875	Apr. 17, 1875
374	Woodhull & Son, S. E., Newark, N. J. "H. Lockard's Horse Ointment"	Oct. 20, 1875	Nov. 2, 1875
194	Woodward, James E., Boston, Mass. "Castilian Acidulae"	Jan. 18, 1875	Mar. 8, 1875
346	Worthington & Tinges, Baltimore, Md. "Maryland Yeast Powder"	Aug. 10, 1875	Oct. 11, 1875
441	Wright, F. A., Cincinnati, Ohio. "Dice Croquet"	Oct. 25, 1875	Dec. 14, 1875
454	Yenawine, F. P., Keokuk, Iowa. "Excelsior Dry Hop Yeast"	Dec. 13, 1875	Dec. 21, 1875
2-0	Yerkes, Jones, Morristown, N. J. "The Celebrated Cooke's Favorite Tomato"	June 2, 1875	July 13, 1875

ALPHABETICAL LIST OF INVENTIONS.

Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
				Specification.	Drawing.	Volume.	Page.
A.							
Acid, Apparatus for concentrating and evaporating sulphuric.	M. J. F. R. Fauré and J. L. Kessler.	158, 924	Jan. 19, 1875	553	184	7	115
Acid, Apparatus for concentrating sulphuric.	G. A. Hagemann	165, 567	July 13, 1875	427	129	8	76
Acid, Apparatus for manufacture of salicylic	W. E. Graf	166, 862	Aug. 17, 1875	656	203	8	309
Acid-carrier	F. H. Kalbfleisch	165, 590	July 13, 1875	447	135	8	79
Acid from borate of lime, Obtaining boracic	F. Formhals	160, 761	Mar. 16, 1875	489	159	7	433
Acid, Machine for making liquid carbonic.	W. N. Hill	163, 376	May 18, 1875	629	201	7	832
Acid, Process of producing salicylic	W. E. Graf	166, 863	Aug. 17, 1875	656	203	6	309
Adding-machine	D. L. R. Butt.	170, 708	Dec. 7, 1875	50	15	8	957
Addressing-machine	A. Baker	168, 079	Sept. 28, 1875	671	213	8	525
Addressing-machine	R. Dick	170, 068	Nov. 16, 1875	738	234	8	846
Addressing-machine	R. Dick	170, 069	Nov. 16, 1875	740	234 } 235 }	8	846
Addressing-machine	H. S. Herr	163, 774	May 25, 1875	995	316	7	908
Addressing-machine	E. Longley	164, 925	June 29, 1875	1050	338	7	1106
Addressing-machine	G. H. Stout	167, 952	Sept. 21, 1875	529	169	8	498
Addressing-machine	C. W. Van Vleet	162, 872	May 4, 1875	123	41	7	763
Adjustable and reversible chair	H. Voth and C. J. Hyatt.	163, 953	June 1, 1875	95	32	7	944
Adjustable bracket	E. T. Starr	169, 382	Nov. 2, 1875	60	18	8	743
Adjustable handle-attaching device	H. P. Hood and G. W. Joseph.	165, 553	July 13, 1875	441	134	8	78
Adjustable screen-holder	G. A. Blodget	168, 710	Oct. 11, 1875	381	124	8	626
Advertising apparatus.	T. E. Allison	159, 881	Feb. 16, 1875	619	205	7	282
Advertising-card rack	G. Willett	168, 039	May 11, 1875	363	97	7	794
Advertising device	C. W. Reed	163, 608	May 25, 1875	800	271	7	890
Advertising device, Illuminating	W. A. Lilliendahl	170, 444	Nov. 30, 1875	1119	352	8	914
Advertising display-boards, &c., Clasp-hook for	N. O. Wilcox	161, 919	Apr. 13, 1875	304	101	7	623
Advertising medium	H. Baldwin	165, 147	July 6, 1875	1	1	8	9
Advertising medium	C. H. and H. F. Torsch, jr.	160, 971	Mar. 16, 1875	670	219	7	458
Advertising-table	J. M. Plessner	168, 284	Sept. 28, 1875	862	275	8	551
Aerated sea-water.	J. Matthews	168, 269	Sept. 28, 1875	849	275	8	549
Aerating and cooling apparatus	G. W. Baird	159, 142	Jan. 26, 1875	774	254	7	152
Aerial and marine gyrtator.	P. B. Fernandez.	161, 772	Apr. 6, 1875	156	54	7	591
Aerial vessel	F. E. Schmidt	168, 788	Oct. 11, 1875	450	147	8	636
Ageing liquors, Apparatus for.	J. B. Baux	171, 341	Dec. 21, 1875	671	232	8	1055
Ageing liquors, Method of.	J. G. Spier	161, 642	Apr. 6, 1875	47	18	7	575
Agricultural boiler	F. N. Mitchell.	161, 260	Mar. 23, 1875	952	310	7	504
Agricultural boiler	W. A. Swarthout	165, 382	July 6, 1875	226	68	8	39
Agricultural implements, Machine for shaping	E. Wansbrough	168, 689	Oct. 11, 1875	360	118	8	624
Air and gas engine	G. W. Daimler	168, 623	Oct. 11, 1875	303	100 } 99 }	8	615
Air and gas engine	J. Taggart	161, 454	Mar. 30, 1875	1147	370	7	537
Air and gas or fluid regulator	B. Bates	167, 212	Aug. 31, 1875	1023	318	8	376
Air and steam brake for cars	J. M. Connel	158, 912	Jan. 19, 1875	541	180	7	114
Air and water heater	W. H. Richardson.	167, 120	Aug. 24, 1875	917	286	8	354
Air and water trap	N. Middleton	161, 257	Mar. 23, 1875	948	309	7	503
Air, Apparatus for devaporizing	L. K. Fuller	169, 535	Nov. 2, 1875	189	65	8	761
Air-brake	W. D. Jones.	166, 386	Aug. 3, 1875	188	56	8	225
Air-brake	H. L. Perrine	166, 904	Aug. 3, 1875	205	61, 62	8	227
Air-brake	H. L. Perrine	166, 405	Aug. 3, 1875	207	62	8	228
Air-brake	H. L. Perrine	166, 406	Aug. 3, 1875	208	62, 63	8	228
Air-brake and car-starter	H. Moschowitz.	166, 026	July 27, 1875	889	275	8	167
Air-brake, Automatic	S. B. Ladd	165, 337	July 6, 1875	175	54	8	33
Air-brake, Double-acting	H. L. Perrino	169, 575	Nov. 2, 1875	235	77	8	766
Air-brake for cars, Automatic	A. James	165, 235	July 6, 1875	84	25, 26	8	20
Air-brakes, Automatic air-escape for railway	W. J. Ford, G. Westinghouse, jr., and T. W. Welsh.	162, 465	Apr. 27, 1875	839	270	7	709
Air-compressing apparatus	H. J. Bailey	161, 090	Mar. 23, 1875	788	259	7	482
Air-compressor for working engines, Atmospheric.	C. Carobbi and G. Bellini	159, 075	Jan. 26, 1875	715	236 } 237 }	7	144
Air-compressors, Relief-apparatus for	G. H. Reynolds.	160, 956	Mar. 16, 1875	658	215	7	456
Air cooling and purifying apparatus.	E. E. Page	158, 599	Jan. 12, 1875	236	80	7	57
Air-cooling apparatus	F. A. Hyatt	161, 515	Mar. 30, 1875	1212	389	7	545
Air-engine	A. K. Rider	167, 568	Sept. 7, 1875	165	52	8	429
Air exhausting and propelling apparatus	C. James	162, 821	May 4, 1875	80	26, 27	7	757
Air hand-engine.	C. W. Riley	165, 027	June 29, 1875	1135	366	7	1117
Air-heater and boiler combined	T. H. Harrington	169, 167	Oct. 26, 1875	831	270	8	705
Air heating and ventilating furnace.	S. W. Kimble	163, 786	May 25, 1875	1006	319	7	910
Air-heating furnace	S. W. Davenport	163, 978	June 1, 1875	115	39	7	947
Air-heating furnace	J. M. Wilson	166, 325	Aug. 3, 1875	127	40	8	217
Air, Means of transmitting from a stationary engine by compressed.	T. H. Neal	162, 678	Apr. 27, 1875	1032	329	7	730
Air purifying, drying, and cooling, &c., apparatus.	A. S. Lyman	168, 654	Oct. 11, 1875	334	109	8	620
Air-register	G. Lawrence	160, 688	Mar. 9, 1875	397	133	7	414
Air-ship, Steerable	F. W. Schroeder.	165, 881	July 20, 1875	738	226	8	134
Air-tight can	S. Joyce	165, 003	June 29, 1875	1115	360	7	1114
Air-vacuum engine	A. K. Rider	158, 525	Jan. 5, 1875	153	52	7	30
Alarm:							
<i>See</i> Burglar-alarm.	Letter-box alarm.						
Conductor's alarm.	Locomotive cattle alarm.						
Fire-alarm.	Prison-alarm.						
Grist-alarm.							
Alarm and fire-extinguisher	S. Sanderson	162, 579	Apr. 27, 1875	937	301	7	718

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Alarm-lock	L. Griswold	167, 167	Aug. 31, 1875	987	307	8	371
Alarm-lock	J. Walton	159, 129	Jan. 26, 1875	763	251	7	151
Album	F. F. Kullrich	163, 212	May 11, 1875	458	148	7	814
Album, Photograph	J. C. Arms	164, 249	June 8, 1875	387	131	7	994
Album, Photograph	C. D. Mosher	169, 186	Oct. 26, 1875	845	276	8	707
Album, Photographic	Il. T. Anthony	170, 042	Nov. 16, 1875	710	225	8	843
Ale and beer in casks, Apparatus for aerating	M. Lajoie and M. Poncelet	158, 503	Jan. 5, 1875	137	45	7	28
Alkali, Composition for coating blocks of caustic	T. C. Taylor	164, 405	June 15, 1875	554	.....	7	1024
Alloy, Bell-metal	Il. L. Macker	169, 648	Nov. 9, 1875	338	.....	8	785
Alloy for preventing incrustation upon metals	O. Földen	169, 810	Nov. 9, 1875	493	.....	8	866
Alphabet-exhibitor	B. B. Whaley	167, 812	Sept. 14, 1875	402	129	8	471
Amalgamator	C. H. Aaron	167, 466	Sept. 7, 1875	91	28	8	419
Amalgamator	J. W. Bancroft and T. Walker	170, 329	Nov. 23, 1875	1001	314	8	890
Amalgamator	W. H. Carson	163, 847	June 1, 1875	10	3	7	932
Amalgamator	E. J. Fraser	158, 368	Jan. 5, 1875	16	6	7	111
Amalgamator	E. J. Fraser	166, 356	Aug. 3, 1875	155	48	8	221
Amalgamator	L. Hinckley	159, 759	Feb. 16, 1875	505	169	7	267
Amalgamator	J. Rutherford	161, 160	Mar. 23, 1875	853	578	7	491
Ammonia, Process of manufacturing	F. Maxwell-Lyte	161, 137	Mar. 23, 1875	835	.....	7	488
Anatomical specimens, Jar for	J. M. Maris	160, 926	Mar. 16, 1875	631	205	7	452
Anchor	W. A. Currier	164, 975	June 29, 1875	1092	352	7	1111
Anchor	A. Smith	165, 036	Jan. 6, 1875	1142	369	7	1118
Anchor	T. J. Whitecar	169, 669	Oct. 19, 1875	719	237	8	682
Anchor	J. S. Williams	164, 065	June 1, 1875	188	71	7	957
Anchor-tripper	E. G. Gaillac	167, 093	Aug. 24, 1875	895	279	8	351
Anchor-tripper	E. Robbins	169, 193	Oct. 26, 1875	850	277	8	708
Animal-gag	A. Kurus	158, 502	Jan. 5, 1875	156	45	7	28
Animal hose, Method of preparing	E. Bauer	169, 076	Oct. 26, 1875	744	.....	8	693
Animal-power	W. P. Emmert	170, 944	Dec. 14, 1875	275	92	8	994
Animal-trap	H. H. C. Arnold	165, 526	July 13, 1875	320	116	8	70
Animal-trap	T. Belknap	169, 886	Nov. 16, 1875	581	180	8	825
Animal-trap	G. W. Brown	161, 859	Apr. 13, 1875	246	82	7	616
Animal-trap	H. C. Burk	158, 778	Jan. 19, 1875	413	338	7	57
Animal-trap	L. F. George	159, 175	Jan. 26, 1875	803	263	7	156
Animal-trap	G. W. Kelly	163, 594	May 25, 1875	846	267	7	888
Animal-trap	I. V. Newson	160, 115	Feb. 24, 1875	848	279	7	321
Animal-trap	E. Oliver	166, 802	Aug. 17, 1875	602	186	8	301
Animal-trap	W. A. Shigley	168, 792	Oct. 11, 1875	454	148	8	637
Animal-trap	J. M. Wilkinson	165, 643	July 13, 1875	501	153	8	86
Animal-trap, Self-setting	P. B. Gibbs and J. C. Brown	166, 947	Aug. 24, 1875	730	226	8	328
Animal-trap, Self-setting	J. C. Porter	165, 023	June 29, 1875	1131	365	7	1116
Animals, Bog-boot for	W. Jacobs	164, 174	June 8, 1875	319	108	7	985
Animals in giving birth, Instrument for aiding	W. Duin	170, 827	Dec. 7, 1875	155	52	8	971
Animals, Sling for shoeing	L. M. Johnson	163, 378	May 12, 1875	620	202	7	853
Annealing-box	C. H. Onions	168, 408	Oct. 5, 1875	81	28	8	576
Annealing building-blocks of furnace-slag, Oven for	R. Boyer	161, 380	Mar. 30, 1875	1082	350	7	528
Annealing-furnace	W. S. McKenna	158, 513	Oct. 5, 1875	176	57	8	589
Annealing furnace slag castings	F. A. Luckenbach	162, 932	May 4, 1875	180	59	7	771
Annealing metals	J. H. Warrington	169, 320	Oct. 26, 1875	973	315	8	724
Annealing-wire	N. F. English	164, 080	June 8, 1875	236	82	7	974
Annunciator	T. H. Anrocker	162, 756	May 4, 1875	1	1	7	747
Annunciator, Electric	S. H. Beckwith	168, 364	Oct. 5, 1875	41	15	8	570
Annunciator, Electric	F. S. Carter and C. B. Hewitt	159, 901	Feb. 16, 1875	639	212	7	285
Annunciator, Electric	E. Gray	162, 057	Apr. 13, 1875	416	139	7	638
Ant-destroying apparatus	F. A. Fenner and J. H. Power	166, 267	Aug. 3, 1875	70	23	8	210
Ant-destroying apparatus	W. Grafton	166, 093	July 27, 1875	955	294	8	176
Ant-exterminator	M. Barthel	170, 505	Nov. 30, 1875	1176	371	8	922
Anti-friction compound	C. C. F. Otto	169, 031	Oct. 19, 1875	684	.....	8	677
Anti-friction roller	E. Gerry	159, 754	Feb. 16, 1875	502	168	7	267
Anti-incrustation compound	A. Chavasse	171, 599	Dec. 28, 1875	929	.....	8	1098
Anti-incrustation compound	L. N. Lye	171, 297	Dec. 21, 1875	635	.....	8	1050
Anti-incrustation compound	E. Weiss	170, 137	Nov. 16, 1875	802	.....	8	855
Antiseptic composition	H. Gahn	169, 094	Oct. 26, 1875	767	.....	8	696
Anvil	E. Hodgdon	165, 732	July 20, 1875	591	181	8	114
Anvils, Casting steel-faced	J. Donovan	160, 816	Mar. 16, 1875	559	175	7	440
Apparel clasp, Wearing	E. Osgood	169, 285	Oct. 26, 1875	937	304	8	730
Apparel fastening, Wearing	R. C. Nichols	164, 200	June 8, 1875	348	116	7	988
Apple corer and slicer	C. E. Kimball	166, 013	July 27, 1875	878	270	8	165
Apple corer and slicer	H. W. Little	170, 574	Nov. 30, 1875	1233	390	8	931
Apple-slicer	I. C. Richards	170, 017	Nov. 16, 1875	690	217	8	840
Apple slicer and corer	H. H. Siler and T. A. Brooks	161, 359	Mar. 30, 1875	1058	314	7	525
Aquarium	J. Wennackers	165, 639	July 13, 1875	497	152	8	86
Aquarium, bird-cage, and flower-stand, Combined	J. Chaso	164, 074	June 8, 1875	230	80	7	973
Arbor, Elastic	B. Baumister	162, 010	Apr. 13, 1875	375	126	7	632
Arm-chairs, Attaching book-supports to	F. P. Musser	171, 528	Dec. 28, 1875	864	283	8	1089
Arm-fracture apparatus	D. Bissell	158, 893	Jan. 19, 1875	519	174	7	111
Artist's shading-stump	L. F. Bruce	168, 316	Oct. 5, 1875	2	1	8	565
Ash-can receptacle	L. F. Winter	161, 316	Mar. 23, 1875	1005	327	7	510
Ash-chute	J. P. Schweikert	166, 637	Aug. 10, 1875	432	134	8	268
Ash-pan	J. M. McIlm	168, 168	Sept. 28, 1875	763	241	8	537
Asparagus bunching and sizing machine	J. A. Ireland	164, 091	June 8, 1875	245	84	7	975
Asphaltum to a liquid, Process of reducing	A. K. Leo	162, 394	Apr. 20, 1875	750	.....	7	686
Atomizer	C. Reinhof	159, 278	Feb. 2, 1875	32	13	7	189
Atomizer	H. R. Spencer	171, 637	Dec. 28, 1875	981	317	8	1105
Atomizer	C. Weed	160, 802	Mar. 16, 1875	59	171	7	438
Auger	S. W. Higgins	166, 378	Aug. 3, 1875	180	54	8	294
Auger	T. D. Parsous	166, 221	Aug. 3, 1875	24	11	8	204
Auger	W. Wells	162, 874	May 4, 1875	123	41	7	763
Auger and auger bit	W. Tucker	163, 282	May 11, 1875	525	170	7	821
Auger, Cure	O. W. Townsend	171, 194	Dec. 14, 1875	513	169	8	1026
Auger, Earth	D. J. Arnold	161, 374	Mar. 30, 1875	1076	349	7	577
Auger, Earth	C. A. Brackett	167, 061	Aug. 24, 1875	862	268	8	346
Auger, Earth	F. J. Clarke	160, 648	Mar. 9, 1875	361	132	7	409
Auger, Earth	W. E. Coman	168, 454	Oct. 5, 1875	118	41	8	582

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Auger, Earth.	H. Cull	163, 159	May 11, 1875	411	134	7	808
Auger, Earth.	J. R. Davis and J. R. Mills	158, 919	Jan. 19, 1875	548	182	7	114
Auger, Earth.	J. E. Hall	165, 998	July 27, 1875	865	266	8	163
Auger, Earth.	A. M. Hanna	162, 816	May 4, 1875	73	24	7	757
Auger, Earth.	S. H. Horn	164, 086	June 8, 1875	241	83	7	975
Auger, Earth.	W. W. Jilz	162, 825	May 4, 1875	81	27	7	757
Auger, Earth.	J. T. Kemper	164, 400	June 15, 1875	603	195	7	1031
Auger, Earth.	W. Low	167, 456	Sept. 7, 1875	68	21	8	416
Auger, Earth.	J. Minich	169, 115	Oct. 20, 1875	788	253	8	6 8
Auger, Earth.	D. L. Newcomb	167, 353	Aug. 31, 1875	1143	360	8	314
Auger, Earth.	O. Rust	166, 303	Aug. 3, 1875	107	34	7	203
Auger, Earth.	G. S. Strong	162, 966	May 4, 1875	217	70	7	775
Auger, Earth.	J. P. Summers	165, 376	July 6, 1875	215	65	8	38
Auger, Earth.	J. P. Summers	167, 628	Sept. 14, 1875	233	72	8	446
Auger, Earth.	G. Taylor	165, 890	July 29, 1875	747	229	8	135
Auger, Earth.	M. and T. R. Way	170, 790	Dec. 7, 1875	132	40	8	967
Auger, Earth.	E. Whitney	160, 632	Mar. 9, 1875	346	117	7	408
Auger-handle	J. Swan	170, 413	Nov. 23, 1875	1076	339	8	900
Auger-handle	F. Wertz	165, 522	July 13, 1875	386	115	8	69
Auger, Hollow	A. A. Wood	166, 673	Aug. 10, 1875	464	142	8	272
Auger, Hollow	A. A. Wood	166, 674	Aug. 10, 1875	465	143	8	272
Auger, Well.	F. A. Montgomery	170, 445	Nov. 30, 1875	1120	353	8	914
Automatic gate	E. N. Allendorf	165, 653	July 20, 1875	523	159	8	105
Automatic gate	H. N. Burnham	159, 641	Feb. 9, 1875	373	124	7	214
Automatic gate	O. P. Clinton	165, 475	July 13, 1875	347	102	8	63
Automatic gate	H. L. Ferris and C. Lewis	166, 866	Aug. 17, 1875	659	204	8	310
Automatic gate	C. E. Gillespie	162, 283	Apr. 20, 1875	640	209	7	673
Automatic gate	H. Hammond	164, 831	June 23, 1875	943	305	7	1085
Automatic gate	R. A. Horning	164, 373	June 15, 1875	519	171	7	1020
Automatic gate	K. G. Knuteson	165, 449	July 13, 1875	320	94	8	59
Automatic gate.	H. Krom	163, 084	May 11, 1875	340	111	7	799
Automatic gate.	N. H. Long	168, 599	Oct. 5, 1875	172	55	8	589
Automatic gate.	W. W. McKay	167, 003	Aug. 24, 1875	808	251	8	339
Automatic gate.	R. S. Rinker	170, 899	Dec. 7, 1875	214	74	8	979
Automatic gate.	L. E. Thorson	167, 954	Sept. 21, 1875	531	170	8	498
Awl, needle, &c., bending machine	C. S. Mann and W. Y. A. Boardman.	160, 533	Mar. 9, 1875	262	89	7	395
Awl, Shoemaker's	S. A. Smith	161, 562	Mar. 30, 1875	1256	404	7	551
Awning	J. Eller	162, 361	Apr. 20, 1875	715	233	7	682
Awning	A. Ingbels	168, 257	Sept. 28, 1875	832	268	8	548
Awning	F. C. Lussenhop	166, 618	Aug. 10, 1875	414	128	8	266
Awning	C. J. Trumper	160, 973	Mar. 16, 1875	672	219	7	458
Awning, Blind	J. David	168, 236	Sept. 28, 1875	818	260	8	548
Awning, hook	Z. M. Lano	159, 586	Feb. 9, 1875	334	110	7	232
Awning, Horse	F. D. Webster	162, 982	May 4, 1875	231	74	7	777
Awning, Window	A. W. Redgrave	161, 274	Mar. 23, 1875	965	315	7	505
awnings, Wooden frame for linged	H. Sykes	167, 709	Sept. 14, 1875	202	96	8	456
Axle: See Car-axle. Metal axle. Carriage-axle. Vehicle-axle. Cultivator-axle. Wagon-axle							
Axle	E. H. Wheeler	162, 729	Apr. 27, 1875	1088	345	7	737
Axle bearing, Car	H. L. Sidman	158, 535	Jan. 5, 1875	161	55	7	31
Axle-box	F. Keiser	163, 783	May 25, 1875	1004	318	7	909
Axle box and sleeve	J. B. Winchell	159, 240	Jan. 26, 1875	866	282	7	165
Axle-box bearing, Car	T. D. Rulon	166, 414	Aug. 3, 1875	217	65	8	229
Axle box, Car	K. S. Austin	161, 922	Apr. 13, 1875	307	102	7	623
Axle box, Car	L. Brauer	170, 338	Nov. 23, 1875	1007	316	8	891
Axle box, Car	R. Brewer	162, 615	Apr. 27, 1875	966	310	7	722
Axle box, Car	T. H. Burrigide	158, 358	Jan. 5, 1875	7	7	7	10
Axle box, Car	J. Eccles	169, 792	Nov. 9, 1875	579	151	8	805
Axle box, Car	L. R. Faught	169, 975	Nov. 16, 1875	653	204	8	835
Axle box, Car	J. P. Garton	162, 051	Apr. 13, 1875	411	138	7	637
Axle box, Car	C. A. Hussey	159, 824	Feb. 16, 1875	565	188	7	275
Axle box, Car	J. D. Imboden	162, 073	Apr. 13, 1875	429	143	7	639
Axle box, Car	J. Rhoads	162, 950	May 4, 1875	198	65	7	773
Axle box, Car	G. T. Roul	163, 409	May 18, 1875	658	210	7	856
Axle box, Car	J. N. Smith	161, 070	Mar. 23, 1875	765	252 } 253 }	7	480
Axle box, Car	B. K. Verbyck and T. Newberry	159, 622	Feb. 9, 1875	359	119	7	242
Axle box, Car	G. Williams	169, 664	Nov. 9, 1875	343	108	8	7 8
Axle box, Carriage	H. Hammond	161, 955	Apr. 13, 1875	332	112	7	627
Axle box lubricator, Car	J. Sidebotham	171, 182	Dec. 14, 1875	498	165	8	1024
Axle-box, Railway	J. N. Smith	161, 069	Mar. 23, 1875	763	251 } 252 }	7	430
Axle box, Railway-car	J. M. Brosius	159, 386	Feb. 2, 1875	128	45	7	202
Axle-box washer, Car	C. H. Brown	170, 811	Dec. 7, 1875	144	47	8	969
Axle boxes, Device for lubricating and preventing the heating of car.	E. A. Warren	163, 285	May 11, 1875	529	171	7	824
Axle boxes, Manufacture of carriage	W. W. Knowles	164, 187	June 8, 1875	329	112	7	986
Axle boxes, Packing-ring for car	T. C. Hargrave	170, 084	Nov. 16, 1875	755	239	8	818
Axle-clip tie and loop	E. D. Clapp and F. Van Patten	168, 320	Oct. 5, 1875	6	2	8	565
Axle-clip tie, Carriage	E. D. Clapp and F. Van Patten	168, 321	Oct. 5, 1875	6	2	8	565
Axle-lubricator	C. C. Parker and J. Kivett	159, 607	Feb. 9, 1875	349	116	7	241
Axle lubricator, Car.	J. S. Eggleston	161, 017	Mar. 23, 1875	717	237	7	474
Axle lubricator, Car.	C. D. Flynt	166, 600	Aug. 10, 1875	399	123	8	264
Axle lubricator, Car.	J. D. Stark	169, 803	Oct. 26, 1875	858	279	8	709
Axle lubricator, Carriage	J. M. Whitner	162, 209	Apr. 20, 1875	574	188	7	665
Axle lubricator, Vehicle.	J. S. Eggleston	161, 016	Mar. 23, 1875	716	236	7	474
Axle lubricator, Vehicle.	A. Schirck	166, 898	Aug. 17, 1875	692	214	8	314
Axle-skein	C. G. Cowell	165, 213	July 6, 1875	70	20	8	18
Axle-skein	J. A. Ellis	161, 603	Apr. 6, 1875	13	5	7	570
Axle-skein, Vehicle	J. D. Smith	166, 420	Aug. 3, 1875	222	67	7	230
Axle skein, Wagon	B. Snyder	160, 964	Mar. 16, 1875	664	217	7	457
Axle skein, Wagon	R. I. Azbill	162, 005	Apr. 13, 1875	372	125	7	632

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Axle skein, Wagon.....	H. H. Fetta and S. D. Tuttle ....	170, 074	Nov. 16, 1875	747	236	8	847
Axle-turning machine.....	C. A. Brand.....	162, 893	May 4, 1875	142	46	7	765
Axle washer, Car.....	W. H. Fitz Gerald.....	170, 828	Dec. 7, 1875	163	55	8	972
B.							
Baby-jumper.....	D. F. Burgess.....	159, 639	Feb. 9, 1875	372	124	7	241
Baby-jumper.....	R. W. Caldwell.....	166, 845	Aug. 17, 1875	636	198	8	307
Baby-tender.....	E. Post.....	158, 977	Jan. 19, 1875	601	200	7	122
Baby tender and crib, Combined.....	A. Baird.....	163, 265	May 25, 1875	874	275	7	892
Baby-walker.....	I. D. Clark.....	162, 153	Apr. 20, 1875	521	172	7	658
Baby-walker.....	J. Garcia.....	170, 544	Nov. 30, 1875	1213	381	8	927
Baby-walker.....	M. R. Nickerson and N. M. Tripp	167, 683	Sept. 14, 1875	279	88	8	453
Baby-walker.....	L. Tommasi.....	159, 720	Feb. 9, 1875	451	151	7	255
Backlash of machinery, Device for preventing.....	J. A. Hafner.....	168, 481	Oct. 5, 1875	145	48	8	586
Bag:							
See Broom-bag, Paper bag.							
Cloth bag, Rubber-coated bag.							
Feed-bag, Traveling-bag.							
Mail-bag.							
Bag-fastener.....	J. A. Danielsen.....	161, 209	Mar. 23, 1875	892	293	7	497
Bag-fastener.....	C. W. Harvey.....	160, 591	Mar. 9, 1875	312	106	7	402
Bag-fastener.....	J. Macphail.....	158, 722	Jan. 12, 1875	344	117	7	72
Bag-fastener.....	A. M. Miller.....	160, 453	Mar. 2, 1875	178	61	7	374
Bag-holder.....	J. A. Budlong.....	161, 589	Apr. 6, 1875	8	1	7	569
Bag-holder.....	L. Crofoot.....	160, 396	Mar. 2, 1875	121	44	7	366
Bag-holder.....	D. and C. Gaver.....	161, 591	Mar. 30, 1875	1200	385	7	543
Bag-holder.....	J. James.....	165, 586	July 13, 1875	444	134	8	78
Bag-holder.....	U. E. Lemon.....	158, 849	Jan. 19, 1875	479	160	7	106
Bag-holder.....	M. Olson.....	161, 435	Mar. 30, 1875	1131	364	7	534
Bag, &c., lock.....	G. Bernheim.....	163, 629	May 25, 1875	878	277	7	893
Bag-lock.....	F. W. Mix.....	164, 752	June 22, 1875	869	283	7	1076
Bag-locks, Catch-plate for.....	W. Roemer.....	164, 939	June 29, 1875	1064	343	7	1107
Bag or box fastening.....	C. Fogelberg.....	139, 311	Feb. 2, 1875	59	22	7	193
Bag-tie.....	J. O. Milne.....	139, 698	Feb. 9, 1875	431	144	7	252
Baggage, Condensing saturator for.....	A. W. J. Mason.....	170, 180	Nov. 23, 1875	869	271	8	871
Baggage-seal.....	J. S. Cray.....	170, 822	Dec. 7, 1875	151	50	8	971
Bait receptacle, Live.....	R. B. Kepner.....	163, 498	May 18, 1875	743	236	7	807
Bake-pan.....	A. Brightman.....	162, 617	Apr. 27, 1875	968	311	7	732
Baker and roaster.....	W. Wachs.....	171, 200	Dec. 14, 1875	524	173	8	1027
Baking-pan.....	L. A. Fristoe.....	168, 089	Sept. 22, 1875	683	216	8	526
Baking-stand.....	J. A. Watson.....	165, 899	July 20, 1875	756	231	8	137
Bale band stretcher.....	J. B. Stecker.....	170, 411	Nov. 23, 1875	1074	330	8	899
Bale-band tightener.....	D. E. McGarrath.....	162, 672	Apr. 27, 1875	1021	327	7	729
Bale-band tightener.....	J. L. Sheppard.....	165, 374	July 6, 1875	213	64	8	38
Bale-band tightener, Cotton.....	S. H. Gilman.....	171, 560	Dec. 28, 1875	892	291	8	1093
Bale-band-tightening device.....	C. H. Chase.....	170, 054	Nov. 16, 1875	722	229	8	845
Bale-hooks, Tool for bending.....	B. R. Springsteen.....	170, 026	Nov. 16, 1875	696	219	8	841
Bale-rolling attachment for compressors, Automatic.....	H. Riesel.....	167, 939	Sept. 21, 1875	518	166	8	496
Bale-tie.....	J. M. Albertson.....	166, 677	Aug. 17, 1875	487	149	8	255
Bale-tie.....	J. B. Arrants.....	159, 060	Jan. 26, 1875	702	231	7	142
Bale-tie.....	J. B. Arrants.....	163, 133	May 11, 1875	384	124	7	805
Bale-tie.....	C. J. Beasley.....	163, 138	May 11, 1875	389	126	7	805
Bale-tie.....	M. T. Brown.....	162, 023	Apr. 13, 1875	385	129	7	634
Bale-tie.....	E. D. Chaddick.....	164, 142	June 8, 1875	288	98	7	981
Bale-tie.....	C. H. Chase.....	169, 521	Nov. 2, 1875	178	59	8	759
Bale-tie.....	M. D. Copeland.....	158, 683	Jan. 12, 1875	310	105	7	67
Bale-tie.....	P. R. Dawson.....	165, 407	July 13, 1875	277	82	8	53
Bale-tie.....	P. K. Dederick.....	171, 215	Dec. 21, 1875	561	184	8	1040
Bale-tie.....	J. W. Deyo.....	162, 354	Apr. 20, 1875	707	230	7	681
Bale-tie.....	S. N. Drake.....	169, 789	Nov. 9, 1875	476	150	8	834
Bale-tie.....	H. K. DuBose and E. W. Charles, jr.	164, 817	June 22, 1875	931	301	7	1083
Bale-tie.....	A. Eichholz.....	164, 821	June 22, 1875	934	362	7	1084
Bale-tie.....	W. P. Elliott.....	165, 081	June 29, 1875	1183	380	7	1121
Bale-tie.....	H. Estes.....	166, 085	July 27, 1875	945	292	8	175
Bale-tie.....	E. Flinn and R. G. Wier.....	158, 836	Jan. 19, 1875	468	157	7	104
Bale-tie.....	S. H. Gilman.....	159, 258	Feb. 2, 1875	16	5	7	187
Bale-tie.....	A. A. Goldsmith.....	159, 089	Jan. 26, 1875	727	241	7	146
Bale-tie.....	A. A. Goldsmith.....	159, 815	Feb. 16, 1875	559	186	7	274
Bale-tie.....	J. M. Goldsmith.....	162, 054	Apr. 13, 1875	414	138	7	637
Bale-tie.....	J. M. Goldsmith.....	163, 649	May 25, 1875	895	283	7	895
Bale-tie.....	J. M. Goldsmith.....	164, 164	June 8, 1875	311	105	7	984
Bale-tie.....	J. M. Goldsmith.....	164, 165	June 8, 1875	311	106	7	981
Bale-tie.....	J. H. Hardman.....	161, 409	Mar. 30, 1875	1108	359	7	532
Bale-tie.....	J. H. Hardman.....	164, 835	June 22, 1875	947	306	7	1085
Bale-tie.....	J. J. Holloman.....	162, 654	Apr. 27, 1875	1001	321	7	726
Bale-tie.....	H. B. Jones.....	161, 416	Mar. 30, 1875	1115	360	7	532
Bale-tie.....	H. B. Jones.....	166, 614	Aug. 10, 1875	410	126	8	205
Bale-tie.....	W. A. Jordan.....	160, 331	Mar. 2, 1875	67	21	7	353
Bale-tie.....	W. A. Jordan.....	163, 380	May 18, 1875	632	203	7	553
Bale-tie.....	O. R. McClean.....	162, 844	May 4, 1875	98	32	7	70
Bale-tie.....	R. Montfort.....	171, 302	Dec. 21, 1875	639	209	8	1050
Bale-tie.....	T. H. Murphy.....	168, 518	Oct. 5, 1875	160	58	8	390
Bale-tie.....	A. J. Nellis.....	159, 704	Feb. 9, 1875	437	146	7	253
Bale-tie.....	G. N. Osgood.....	160, 345	Mar. 2, 1875	79	25	7	360
Bale-tie.....	J. W. Philip.....	158, 733	Jan. 12, 1875	352	120	7	73
Bale-tie.....	J. W. Philip.....	161, 819	Apr. 6, 1875	203	68	7	598
Bale-tie.....	J. W. Philip.....	163, 522	May 18, 1875	768	243	7	870
Bale-tie.....	A. N. Powell.....	170, 589	Nov. 30, 1875	1259	396	8	933
Bale-tie.....	J. P. Radley.....	169, 920	Nov. 16, 1875	610	189	8	820
Bale-tie.....	J. L. Reese.....	139, 449	Feb. 2, 1875	188	63	7	211
Bale-tie.....	W. L. Rose.....	163, 331	May 18, 1875	591	189	7	848



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Bale-tie	E. O. Schartan and J. H. Gardner	170, 597	Nov. 30, 1875	1267	399	8	934
Bale-tie	G. W. Scott	162, 699	Apr. 27, 1875	1054	336	7	733
Bale-tie	I. T. Smith	159, 403	Feb. 2, 1875	209	68	7	213
Bale-tie	J. N. Smith	163, 815	May 25, 1875	1032	327	7	913
Bale-tie	R. Stewart	169, 493	Nov. 2, 1875	153	50	8	756
Bale-tie	A. A. Szabo	166, 632	Aug. 10, 1875	444	137	8	270
Bale-tie	R. Terrell	161, 0 4	Mar. 23, 1875	770	254	7	489
Bale-tie	R. Terrell	161, 177	Mar. 23, 1875	867	283	7	493
Bale-tie	R. Terrell	161, 178	Mar. 23, 1875	867	284	7	493
Bale-tie	W. H. Walker	167, 960	Sept. 21, 1875	535	171	8	499
Bale-tie	H. J. Wright	166, 326	Aug. 3, 1875	128	40.	8	217
Bale-tie and hoop-lacer.	L. I. Bodenhamer	170, 932	Dec. 14, 1875	263	87	8	993
Bale-tie clamp	H. Z. Young	166, 491	Aug. 10, 1875	308	92	8	250
Bale-tie, Cotton	H. B. Jones	159, 268	Feb. 2, 1875	25	8	7	188
Bale-tie, Cotton	J. W. Philip	163, 803	May 25, 1875	1022	324	7	912
Bale-tie, Cotton	J. Thayer	159, 531	Feb. 9, 1875	293	95	8	232
Bale-tie, Hook	W. Greet	165, 996	July 27, 1875	864	266	8	163
Bale-tie-painting machine	A. J. Nellis	159, 703	Feb. 9, 1875	436	146	7	253
Bales, Method of fastening cotton.	A. Baldwin	159, 378	Feb. 2, 1875	122	43	7	201
Baling cotton, Device for	W. Iler	159, 098	Jan. 26, 1875	737	243	7	147
Baling cotton, Device for	T. H. Murphy	170, 446	Nov. 30, 1875	1121	353	8	914
Baling hay, cotton, &c	J. M. Seymour	166, 640	Aug. 10, 1875	435	134	8	268
Baling-press	J. M. Albertson	162, 786	May 4, 1875	48	15	7	753
Baling-press	C. C. Campbell	168, 969	Oct. 19, 1875	626	207	8	669
Baling-press	P. K. Dederick	161, 766	Apr. 6, 1875	151	52	7	590
Baling-press	P. K. Dederick	170, 997	Dec. 14, 1875	328	109	8	1001
Baling-press	P. K. Dederick	170, 998	Dec. 14, 1875	329	109	8	1001
Baling-press	P. K. Dederick	170, 999	Dec. 14, 1875	331	110	8	1001
Baling-press	D. L. O'Conner	167, 268	Aug. 31, 1875	1070	333	8	383
Baling-press	H. L. Pike	165, 252	July 6, 1875	101	30	8	22
Baling-press	J. C. Stokes	164, 779	June 23, 1875	891	290	7	1079
Baling press, Cotton	E. L. Morse	161, 812	Apr. 6, 1875	193	65	7	596
Baling press, Cotton, hay, &c	C. B. Churchill	168, 557	Oct. 11, 1875	239	79	8	606
Baling short-cut lay	C. Brown	169, 518	Nov. 2, 1875	176	59	8	759
Ball							
See Base-ball.	Toy ball.						
Ball-and-socket joint	E. T. Starr	169, 383	Nov. 2, 1875	61	18	8	743
Ball-and-socket joint fastening	W. F. Tallman and J. H. Mandeville.	159, 471	Feb. 2, 1875	218	70	7	214
Balloons, Car or boat attachment for	J. Hartness	168, 486	Oct. 5, 1875	149	49	8	586
Ballot-box	F. W. Brooks	159, 890	Feb. 16, 1875	629	208	7	283
Balusters	P. J. Hardy	163, 993	June 1, 1875	129	45	7	948
Band-comb	A. Poppenhusen	169, 578	Nov. 2, 1875	238	78	8	766
Band-comb	H. A. Prouty	162, 686	Apr. 27, 1875	1039	331	7	731
Band-fastener	E. Dresser	165, 079	June 29, 1875	1181	380	7	1124
Bands used in driving machinery, Regulating and adjusting.	C. Anderson	164, 411	June 15, 1875	558	181	7	1025
Bandage-winder	A. M. Cone	158, 680	Jan. 12, 1875	308	105	7	67
Bank-check	C. V. Mead	159, 833	Feb. 16, 1875	573	191	7	276
Bank-checks, &c	I. P. Turner	164, 614	June 15, 1875	730	238	7	1049
Bank-notes, &c., Needle-board for registering.	J. D. Smith	163, 271	May 11, 1875	514	167	7	821
Bar							
See Claw-bar.	Metal bar.						
Grate-bar.	Mosquito-bar.						
Harvester finger-bar.	Pinch-bar.						
Heddle-frame bar.	Railway pinch-bar.						
Horseshoe-bar.	Shawl-strap bar.						
Horseshoe-blank bar.	Sky-light bar.						
Horseshoe-nail-blank bar.	Vehicle side bar.						
	Wrench-bar.						
Bars, Machine for drawing and polishing	D. J. Farmer	168, 975	Oct. 19, 1875	630	209	8	670
Bars, tubes, cylinders, &c., Machine for cutting off	J. Reese	159, 448	Feb. 2, 1875	187	63	7	211
Barber's chair	W. Hoehn	165, 232	July 6, 1875	83	25	8	20
Barber's chair	J. Ott	165, 498	July 13, 1875	365	108	8	66
Barber's shears	S. Nickelson	169, 832	Nov. 9, 1875	515	161	8	809
Barley-fork	S. Snell	169, 574	Nov. 2, 1875	256	83	8	769
Barley mill, Pearl	H. S. Northrup	170, 638	Nov. 30, 1875	1304	412	8	939
Barrel	G. W. Banker	159, 064	Jan. 26, 1875	705	232	7	143
Barrel	R. W. Baylor	158, 777	Jan. 19, 1875	412	138	7	97
Barrel	H. M. Fitzhugh	160, 664	Mar. 9, 1875	376	127	7	412
Barrel	H. M. Fitzhugh	160, 665	Mar. 9, 1875	376	127	7	412
Barrel	L. W. Flye and C. H. Watson	170, 162	Nov. 23, 1875	852	266	8	869
Barrel	J. H. Morrison	163, 512	May 18, 1875	756	240	7	869
Barrel	L. E. Sunderland	170, 914	Dec. 7, 1875	228	78	8	981
Barrel	D. Wright	171, 077	Dec. 14, 1875	399	132	8	1011
Barrel and keg head	E. Footo	169, 350	Nov. 2, 1875	26	8	8	738
Barrel-barrow	J. H. Brown	160, 810	Mar. 16, 1875	535	173	7	439
Barrel, Berry.	C. C. Paul	169, 657	Nov. 9, 1875	335	106	8	787
Barrel chamfering and crozing machine	J. Greenwood	167, 166	Aug. 31, 1875	985	306	8	371
Barrel-compressing machine	E. J. Granger	165, 163	July 6, 1875	14	5	8	11
Barrel-crozing machine	S. S. Steel and S. Munson	160, 966	Mar. 16, 1875	666	217	7	457
Barrel-head	H. M. Smith	165, 766	July 23, 1875	621	191	8	119
Barrel-head adjuster	E. J. Granger and H. S. Smith	162, 230	Apr. 20, 1875	594	195	7	667
Barrel-head-cutting machine	O. Osten	159, 714	Jan. 26, 1875	752	247	7	149
Barrel-head making machine	W. W. Trevor	166, 041	July 27, 1875	902	278	8	169
Barrel-head-sawing machine	E. and B. Holmes	166, 873	Aug. 17, 1875	666	207	8	311
Barrel-headings, Baling	J. Kepple	171, 229	Dec. 21, 1875	573	188	8	1042
Barrel-heater, Cooper's	W. N. Moore	171, 489	Dec. 28, 1875	825	271	8	1084
Barrel-hoop	B. W. Sutherland	163, 543	May 18, 1875	785	249	7	873
Barrel-hoop	L. Weil	162, 725	Apr. 27, 1875	1085	344	7	736
Barrel-lifting machine	A. J. Small	170, 599	Nov. 30, 1875	1269	399	8	934
Barrel-making machine	J. Y. Chapman	163, 740	May 25, 1875	970	307	7	905

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Barrel-making machine	J. Martin	161,251	Mar. 23, 1875	941	{ 306 } 307	7	502
Barrel-pitching device	G. Meyer	167,681	Sept. 14, 1875	277	{ 307 } 308	8	452
Barrel-polishing machine	H. S. Smith	179,908	Dec. 7, 1875	222	77	8	980
Barrel-rack	C. F. Bigby	160,716	Mar. 9, 1875	423	141	7	418
Barrel-roller	C. L. Toplif	159,864	Feb. 16, 1875	604	500	7	280
Barrel-shaping machine	H. S. Smith	170,909	Dec. 7, 1875	223	77	8	981
Barrel, Sheet-iron	C. M. Wyvell	165,909	July 20, 1875	765	234	8	138
Barrel skid, Oil	I. M. Haight	168,393	Oct. 5, 1875	67	24	8	574
Barrel-stave adjuster	E. J. Grainger	162,231	Apr. 20, 1875	595	195	7	667
Barrel trussing and squaring machine	J. Naylor, jr., and J. Greenwood	167,190	Aug. 31, 1875	1004	312	8	373
Barrel, Ventilating	E. B. Georgia	164,542	June 15, 1875	669	217	7	1040
Barrels, Coating for oil	M. W. Quick	158,978	Jan. 19, 1875	602	.....	7	122
Barrels, Compound for lining oil	A. Rieder	167,569	Sept. 7, 1875	107	.....	8	420
Barrels, Vent for beer	J. Hindemeyer and E. Beinkampen	162,006	Apr. 13, 1875	424	141	7	630
Base-ball	J. Gilbin	165,994	July 27, 1875	862	265	8	163
Base-ball base	J. C. O'Neill	171,038	Dec. 14, 1875	359	119	8	1006
Basin, &c., Trap	F. Adce and J. Foley	162,331	Apr. 20, 1875	684	223	7	678
Basins, Settling	J. Stevenson	161,291	Mar. 23, 1875	978	320	7	507
Basket	B. G. Meinhelm and W. D. Chase	170,755	Dec. 7, 1875	93	30	8	963
Basket	J. Meyer	166,215	Aug. 3, 1875	29	10	8	203
Basket	S. Weinstock	161,846	Apr. 6, 1875	227	76	7	601
Basket and table, Convertible lunch	E. B. Carver	165,305	July 6, 1875	146	44, 45	8	29
Basket-bottom	S. H. Wheeler	169,217	Oct. 26, 1875	876	285	8	711
Basket, Folding	G. Hammersley	169,358	Nov. 2, 1875	37	11	8	739
Basket, Grain	H. C. Jones	165,417	July 13, 1875	286	85	8	55
Basket, Newspaper	J. J. De Barry and T. J. and A. T. Lundqvist	166,073	July 27, 1875	932	288	8	173
Basket, Stave	H. C. Jones	165,416	July 13, 1875	286	84	8	55
Basket, Stave	H. C. Jones	165,418	July 13, 1875	287	85	8	55
Basket, Stave	H. C. Jones	165,419	July 13, 1875	288	85	8	55
Basket, Stave	H. C. Jones	169,446	Nov. 2, 1875	113	36	8	750
Basket, Stave	H. C. Jones	169,447	Nov. 2, 1875	113	36	8	750
Basket, Stave	H. C. Jones	169,448	Nov. 2, 1875	114	36	8	750
Basket, Stave	R. B. Wheeler	165,285	July 6, 1875	128	39	8	26
Basket, Stave	S. H. Wheeler	165,045	June 29, 1875	1151	371	7	1119
Basket-stuff-shaving machine	R. J. Brooks, jr.	162,148	Apr. 20, 1875	517	170	7	658
Basket, Wicker	U. S. Wolf	165,047	June 29, 1875	1153	372	7	1119
Bath:							
<i>See</i> Electro-therapeutic bath.	Turkish and vapor bath.						
Shower-bath.	Vapor-bath.						
Bath attachment	T. D. Woolsey	158,877	Jan. 19, 1875	503	169	7	109
Bath-tub	A. C. Brownell	161,324	Mar. 30, 1875	1026	334	7	521
Bath-tub	E. Chamberlain	164,423	June 15, 1875	569	185	7	1027
Bath-tub attachment	T. D. Woolsey	159,556	Feb. 9, 1875	311	101	7	234
Bath-tub seat	J. W. Nyo	170,762	Dec. 7, 1875	101	32	8	964
Bath-tub showering attachment	W. H. Rowe	164,708	June 22, 1875	879	287	7	1077
Bathing apparatus	E. Morse	163,327	May 18, 1875	587	188	7	847
Batter-feeder for cake-making	D. H. Lafferty	169,556	Nov. 2, 1875	216	71	8	764
Battery:							
<i>See</i> Earth-battery.	Galvanic battery.						
Flume-battery.							
Bayonet-sabard	T. W. Rounds	165,953	July 27, 1875	822	252	8	157
Bayonet-sabards, Apparatus for the manufacture of	T. W. Rounds	165,952	July 27, 1875	821	252	8	157
Beam, Compound iron	W. S. Sampson	158,983	Jan. 19, 1875	609	202	7	123
Beams and girders, Manufacture of metallic	A. Klamau	164,379	June 15, 1875	525	173	7	1621
Beams and tubes, Machine for making hollow	I. Hahn	166,074	June 29, 1875	1195	{ 324 } 325	7	1125
Bean and pumpkin-seed dropper	E. Sears	166,638	Aug. 10, 1875	433	131	8	268
Bearings, Anti-friction compound for	L. B. Lathrop and T. A. Weber	165,340	July 6, 1875	181	.....	8	34
Bearings, Compound for lining for machine	L. W. Lathrop and T. A. Weber	170,000	Nov. 16, 1875	674	212	8	838
Bearings, Conical-roller thrust	M. C. Bullock	165,538	July 13, 1875	402	120	8	72
Bearings, Lining for machine	L. W. Lathrop and T. A. Weber	170,747	Dec. 7, 1875	87	28	8	962
Bearings, Process for manufacturing material for	S. Colno	166,188	Aug. 3, 1875	7	.....	8	200
Bed-bottom	J. L. Decker	161,765	Apr. 6, 1875	151	52	7	590
Bed-bottom	O. F. A. Faulkner	161,333	Mar. 30, 1875	1033	336	7	522
Bed-bottom	H. S. Halo	160,185	Feb. 23, 1875	906	293	7	329
Bed-bottom	J. B. Henion	161,960	Apr. 13, 1875	336	113	7	627
Bed-bottom	L. Hull	165,166	July 6, 1875	18	6	8	11
Bed-bottom	P. C. Ingersoll	160,913	Mar. 16, 1875	616	201	7	451
Bed-bottom	D. C. Kellam	160,439	Mar. 2, 1875	102	57	7	372
Bed-bottom	T. L. Odell	166,545	Aug. 10, 1875	350	107	8	255
Bed-bottom	M. B. Owens and G. Chamberlin	162,096	Apr. 13, 1875	449	149	7	642
Bed-bottom	C. W. and S. Purcell	170,111	Nov. 16, 1875	778	247	8	852
Bed-bottom	C. V. Reeder	166,634	Aug. 10, 1875	430	133	8	268
Bed-bottom	W. Wood	163,714	May 25, 1875	946	300	7	901
Bed-bottom frame	G. C. Perkins	171,042	Dec. 14, 1875	362	120	8	1006
Bed-bottom, Folding spring	E. P. Fowler	162,639	Apr. 27, 1875	925	317	7	724
Bed-bottom, Invalid	H. Ogborn and T. T. Kendrick	163,684	May 25, 1875	919	292	7	898
Bed-bottom, Spring	J. C. Anderson	164,957	June 29, 1875	1079	347	7	1109
Bed-bottom, Spring	W. W. Bartlett	169,615	Nov. 9, 1875	291	94	8	781
Bed-bottom, Spring	E. Barton	170,805	Dec. 7, 1875	137	45	8	909
Bed-bottom, Spring	H. Beach	162,604	Apr. 27, 1875	957	308	7	721
Bed-bottom, Spring	E. O. Bennett	163,627	May 25, 1875	877	276	7	892
Bed-bottom, Spring	E. O. Bennett	160,809	Mar. 16, 1875	535	173	7	439
Bed-bottom, Spring	A. P. Brown	163,356	May 18, 1875	612	195	7	850
Bed-bottom, Spring	E. P. Carter	163,574	May 25, 1875	825	261	7	886
Bed-bottom, Spring	A. M. Duncun and C. Newhouse	162,906	May 4, 1875	156	50	7	767
Bed-bottom, Spring	E. B. Dodge	162,631	Apr. 27, 1875	978	314	7	724
Bed-bottom, Spring	J. Fowler	163,370	May 18, 1875	625	200	7	852
Bed-bottom, Spring	J. Fowler and J. R. Dewar	159,086	Jan. 26, 1875	726	240	7	146
Bed-bottom, Spring	W. Goforth	170,677	Nov. 16, 1875	750	247	8	847
Bed-bottom, Spring	G. W. Hatch	158,413	Jan. 5, 1875	55	19	7	17

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Bed-bottom, Spring	W. D. Hatch	164, 170	June 8, 1875	315	107	7	984
Bed-bottom, Spring	L. N. and M. Hoyt	167, 902	Sept. 21, 1875	493	156	8	492
Bed-bottom, Spring	J. A. Jones	159, 930	Feb. 16, 1875	663	219	7	288
Bed-bottom, Spring	J. R. Newman	162, 680	Apr. 27, 1875	1035	330	7	730
Bed-bottom, Spring	B. P. Noteman	163, 234	May 11, 1875	478	155	7	817
Bed-bottom, Spring	J. Oothoudt, Z. M. P. Heaberlin, and E. M. Sweet.	168, 279	Sept. 28, 1875	858	273	8	550
Bed-bottom, Spring	C. D. Rawson	163, 106	May 11, 1875	362	118	7	803
Bed-bottom, Spring	J. A. Reeds	164, 693	June 22, 1875	814	266	7	1068
Bed-bottom, Spring	A. D. Scaman	171, 180	Dec. 14, 1875	497	164	8	1024
Bed-bottom, Spring	C. T. Segar	169, 851	Nov. 9, 1875	534	166	8	811
Bed-bottom, Spring	G. L. Shepard	162, 316	Apr. 20, 1875	670	219	7	677
Bed-bottom, Spring	A. T. Sherwood	168, 056	Sept. 21, 1875	630	202	8	512
Bed-bottom, Spring	J. Wagner	163, 902	June 1, 1875	54	18	7	938
Bed-bottom, Spring	A. Yoangs	170, 040	Nov. 16, 1875	708	225	8	843
Bed-bottom springs, Connection for	A. C. McMains	160, 274	Mar. 2, 1875	18	7	7	551
Bed, Camp	H. R. Mills	167, 617	Sept. 14, 1875	223	70	8	444
Bed-clothes holder	J. Lesh	170, 573	Nov. 30, 1875	1237	399	8	930
Bed-crib, &c., covering	J. Forest and W. A. Weant	163, 471	May 18, 1875	710	227	7	864
Bed-lounge	C. Astalfy	161, 319	Mar. 30, 1875	1021	333	7	521
Bed-lounge	W. H. L. Gabbs	165, 815	July 20, 1875	673	206	8	125
Bed-lounge	T. Q. Hall	165, 571	July 13, 1875	432	130	8	77
Bed-lounge	A. Morris	166, 289	Aug. 3, 1875	97	30	8	213
Bed-lounge	D. J. Powers	170, 687	Dec. 7, 1875	31	9	8	955
Bed-rails to their posts, Device for fastening	L. Gnienet	161, 507	Mar. 30, 1875	1205	387	7	544
Bed-slat	F. L. Odell	168, 604	Oct. 11, 1875	343	112	8	621
Bed, Sofa	J. B. Harlow	168, 155	Sept. 28, 1875	751	237	8	335
Bed, Sofa	A. Spiegel	167, 279	Aug. 31, 1875	1078	337	8	384
Bed, Spring	C. L. Alvord	163, 131	May 11, 1875	383	124	7	805
Bed, Spring	J. Johnson	166, 701	Aug. 17, 1875	507	155	8	287
Bed-stones, Oscillating	E. Armitage	170, 325	Nov. 23, 1875	997	313	8	589
Beds, Ventilating	E. L. Roberts	161, 551	Mar. 20, 1875	1243	400	7	849
Bedstead	J. B. French	164, 290	June 8, 1875	427	142	7	999
Bedstead	H. Ogborn and T. T. Kendrick	168, 342	Oct. 5, 1875	21	8	8	567
Bedstead	J. Petry	166, 806	Aug. 17, 1875	605	187	8	302
Bedstead	C. Snyder	160, 963	Mar. 16, 1875	664	217	7	457
Bedstead	W. Wrest	165, 284	July 6, 1875	127	39	8	26
Bedstead, Bureau	C. Brada	158, 670	Jan. 12, 1875	299	101	7	66
Bedstead, Cot	O. Howe	161, 234	Mar. 23, 1875	921	301	7	560
Bedstead, Cot	S. C. Lusk	162, 083	Apr. 13, 1875	437	146	7	640
Bedstead, Cot	L. Worcester and J. B. Howe	169, 880	Nov. 9, 1875	563	175	8	815
Bedstead-fastening	G. Bostwick	166, 961	Aug. 24, 1875	765	236	8	333
Bedstead-fastening	S. D. Butler	169, 235	Oct. 24, 1875	889	289	8	713
Bedstead-fastening	E. Deetz	162, 039	Apr. 13, 1875	397	134	7	635
Bedstead-fastening	W. H. Elliot	163, 468	May 18, 1875	707	226	7	863
Bedstead-fastening	W. H. Elliot	163, 757	May 25, 1875	983	311	7	906
Bedstead-fastening	W. H. Elliot	163, 982	June 1, 1875	119	40	7	947
Bedstead-fastening	A. Grillett	159, 408	Feb. 2, 1875	152	51	7	205
Bedstead-fastening	C. T. Laib	167, 909	Sept. 21, 1875	498	158	8	492
Bedstead-fastening	W. Merritt	161, 141	Mar. 23, 1875	838	273	7	488
Bedstead-fastening	G. Luppert	164, 883	June 22, 1875	994	321	7	1091
Bedstead, Folding	J. Flinn	169, 689	Nov. 3, 1875	373	117	8	791
Bedstead, Folding	H. Kriete	165, 492	July 13, 1875	360	106	8	65
Bedstead, Folding	P. B. Vele	159, 780	Feb. 16, 1875	526	175	7	270
Bedstead, Invalid	O. G. Cosby and G. W. McGovern	158, 913	Jan. 19, 1875	542	180	7	114
Bedstead, Invalid	J. Deneff and F. Wilkin	165, 075	June 29, 1875	1178	379	7	1123
Bedstead, Invalid	A. J. Goodwin	169, 099	Oct. 26, 1875	771	251	8	696
Bedstead, Invalid	J. Goodwin	160, 667	Mar. 9, 1875	377	127	7	412
Bedstead, Invalid	W. Huttress	169, 705	Nov. 9, 1875	387	121	8	793
Bedstead, Invalid	A. Kauffman	168, 503	Oct. 5, 1875	164	53, 54	8	588
Bedstead, Invalid	W. J. Kerr	170, 690	Nov. 16, 1875	761	241	8	849
Bedstead, Invalid	J. Michel	160, 694	Mar. 9, 1875	402	135	7	415
Bedstead, Invalid	G. Pence	164, 760	June 29, 1875	874	285	7	1076
Bedstead, Invalid	T. Watson and R. Kelso	169, 067	Oct. 19, 1875	718	237	8	681
Bedstead, Invalid	R. D. Whittemore	162, 985	May 4, 1875	234	75	7	778
Bedstead, Knock-down	W. S. Moses	166, 798	Aug. 17, 1875	539	185	8	301
Bedstead, Sofa	S. Bendit	169, 672	Nov. 9, 1875	350	110	8	788
Bedstead, Sofa	C. Bunitz	169, 771	Nov. 9, 1875	456	144	8	802
Bedstead, Sofa	J. L. Closterman	168, 877	Oct. 19, 1875	538	177	8	657
Bedstead, Sofa	J. B. N. Fifield	169, 976	Nov. 16, 1875	654	204	8	835
Bedstead, Sofa	F. Fischbeck	169, 978	Nov. 16, 1875	657	205	8	835
Bedstead, Sofa	J. H. Gould, jr.	170, 079	Nov. 16, 1875	751	232	8	248
Bedstead, Sofa	W. R. Hamilton	170, 258	Nov. 23, 1875	939	293	8	881
Bedstead, Sofa	G. J. Henkels	170, 883	Dec. 7, 1875	176	60	8	974
Bedstead, Sofa	A. Holmers	164, 454	June 15, 1875	595	194	7	1030
Bedstead, Sofa	J. B. Kline	167, 908	Sept. 21, 1875	497	157	8	492
Bedstead, Sofa	R. S. McEntire	167, 680	Sept. 14, 1875	277	87	8	452
Bedstead, Sofa	J. Schoen	170, 403	Nov. 23, 1875	1063	336	8	899
Bedstead, Sofa	G. N. Scidler	170, 777	Dec. 7, 1875	143	36	8	165
Bedstead, Sofa	S. Squires	166, 566	Aug. 10, 1875	368	113	8	259
Bedstead, Sofa	J. K. and M. L. Stockton	169, 862	Nov. 9, 1875	545	170	8	812
Bedstead, Sofa	J. K. Underhill	159, 290	Feb. 2, 1875	44	16	7	190
Bedstead, Table	E. Kiss	169, 551	Nov. 2, 1875	213	70, 71	2	763
Bedstead, Toilet-stand	C. Schwartz and C. E. Woods	158, 986	Jan. 19, 1875	613	203	7	123
Bedstead, Wardrobe	H. W. Curtis	159, 908	Feb. 16, 1875	646	213	7	286
Bedstead, Wardrobe	R. G. McClure	160, 833	Mar. 16, 1875	554	179	7	442
Bee-hive	E. Armstrong	162, 788	May 4, 1875	50	16	7	753
Bee-hive	E. Armstrong	170, 088	Dec. 7, 1875	41	12	8	956
Bee-hive	A. B. Bowen	158, 826	Jan. 19, 1875	458	154	7	103
Bee-hive	J. Bullock	159, 893	Feb. 16, 1875	632	209	7	284
Bee-hive	J. S. Coe	159, 021	Jan. 26, 1875	722	239	7	145
Bee-hive	O. Colvin	170, 237	Nov. 23, 1875	919	256	8	878
Bee-hive	D. Cox	171, 214	Dec. 21, 1875	50	184	8	1040

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Bee-hive.....	J. R. Dickson.....	159,650	Feb. 9, 1875	381	126	7	245
Bee-hive.....	E. Gerry.....	161,606	Apr. 6, 1875	15	6	7	571
Bee-hive.....	S. Hixson.....	167,247	Aug. 31, 1875	1054	328	8	380
Bee-hive.....	P. Honnoll.....	167,250	Aug. 31, 1875	1056	328	8	381
Bee-hive.....	D. Latchaw.....	168,261	Sept. 28, 1875	842	269	8	543
Bee-hive.....	N. C. Mitchell.....	160,695	Mar. 9, 1875	4.3	135	7	415
Bee-hive.....	G. H. Mobley.....	161,428	Mar. 30, 1875	1125	363	7	534
Bee-hive.....	J. P. Peeler.....	168,283	Sept. 28, 1875	861	275	8	531
Bee-hive.....	H. Penoyer.....	165,501	July 13, 1875	368	109	8	66
Bee-hive.....	W. Vanurder.....	166,163	July 27, 1875	1624	315	8	186
Bee-hive moth-trap.....	W. H. Spurlin.....	170,601	Nov. 30, 1875	1270	400	8	934
Beef shaver, Smoked.....	C. R. Turner.....	168,433	Oct. 5, 1875	99	34	8	579
Beer and ale, Manufacture of.....	J. Matthews.....	168,268	Sept. 28, 1875	848	.....	8	549
Beer, &c., Compound for preserving.....	W. Zinsser.....	165,145	June 29, 1875	1240	.....	7	1132
Beer-cooler.....	F. Kranz.....	162,078	Apr. 13, 1875	434	44	7	640
Beer-cooler.....	A. Roos.....	164,040	June 1, 1875	174	62	7	955
Beer-cooler.....	B. A. Stevens.....	160,756	Mar. 16, 1875	524	169	7	438
Beer-cooler.....	W. Toppel.....	163,421	May 18, 1875	666	213	7	858
Beer-cooler.....	J. B. Weis.....	160,291	Mar. 2, 1875	31	12	7	354
Beer, &c., Extract of.....	P. E. Lockwood.....	169,818	Nov. 9, 1875	503	.....	8	807
Beer, Manufacture of medicated.....	R. W. Tavener.....	161,574	Mar. 30, 1875	1268	407	7	532
Beer, &c., preserving apparatus.....	L. Weimarr.....	169,934	Nov. 16, 1875	622	193	8	830
Beer-pump, &c.....	D. S. Whitman.....	170,426	Nov. 23, 1875	1088	342	8	901
Beer-refrigerator.....	J. N. Bohart.....	166,742	Aug. 17, 1875	550	169	8	293
Beer, &c., Treating.....	P. C. Mussgiller and R. W. Scheller.....	169,830	Nov. 9, 1875	513	.....	8	808
Beer with gas, Apparatus for charging.....	J. C. Kennedy.....	165,004	June 29, 1875	1115	360	7	1114
Bell, Alarm.....	I. H. Abell.....	166,056	July 27, 1875	916	283	8	171
Bell, Call.....	E. C. Barton.....	171,084	Dec. 14, 1875	404	134	8	1012
Bell, Call.....	W. E. Hawkins and G. W. Hull.....	159,411	Feb. 2, 1875	154	52	7	265
Bell, Door.....	C. Coleman.....	168,721	Oct. 11, 1875	389	127	8	627
Bell, Door.....	J. P. Connell.....	169,675	Nov. 9, 1875	353	111	8	789
Bell, Door.....	F. G. Daniels.....	167,508	Sept. 7, 1875	111	34	8	422
Bell, Door.....	F. M. Johnson.....	163,015	May 11, 1875	277	89	7	791
Bell, Door.....	E. M. Lockwood.....	167,846	Sept. 21, 1875	413	141	8	484
Bell, Door.....	A. L. Swan.....	158,446	Jan. 5, 1875	81	28	7	21
Bell-pull.....	S. D. Arnold.....	164,126	June 8, 1875	275	94	7	979
Bell-pull.....	C. Clay.....	163,741	May 25, 1875	971	307	7	905
Bell-pull.....	W. Richardson.....	164,874	June 22, 1875	985	318	7	1090
Bell-pull, &c., fastening.....	J. Schade.....	161,355	Mar. 30, 1875	1054	343	7	525
Bell, Revolving chime.....	W. H. Nichols.....	162,682	Apr. 27, 1875	1036	330	7	730
Bell-ringing.....	G. H. Collins.....	168,453	Oct. 5, 1875	117	40	8	582
Bells to shafts, Device for attaching.....	A. A. Bevin.....	160,146	Feb. 23, 1875	873	288	7	325
Bellows.....	J. Bayliss.....	16 244	Aug. 3, 1875	54	17	8	267
Belt and band, Driving.....	E. G. Isaacs.....	167,838	Sept. 21, 1875	435	139	8	483
Belt, Cartridge.....	G. C. Penning.....	169,639	Nov. 9, 1875	319	102	8	784
Belt, Chain.....	H. Bushnell.....	169,655	Nov. 16, 1875	638	199	8	832
Belt-coupling.....	J. Hare.....	161,508	Mar. 30, 1875	1206	387	7	544
Belt-coupling.....	J. Hare.....	166,457	Aug. 10, 1875	280	83	8	216
Belt-coupling.....	G. A. Manning.....	165,010	June 29, 1875	1122	362	7	1115
Belt-fastener.....	W. M. Chapman.....	169,416	Nov. 2, 1875	89	27	8	747
Belt-fastener.....	J. B. McElroy.....	164,855	June 22, 1875	965	312	7	1088
Belt, Power.....	S. M. Clark.....	171,565	Dec. 28, 1875	841	276	8	1086
Belt-shifter.....	T. S. Crane.....	160,259	Mar. 2, 1875	5	3	7	340
Belt-shifter.....	J. D. Isaacs.....	166,464	Aug. 10, 1875	286	85	8	247
Belt-tightener.....	O. Cooley.....	171,354	Dec. 21, 1875	684	225	8	1056
Belt-twisting apparatus.....	M. P. Wilmarth.....	164,702	June 22, 1875	827	269	7	1070
Belting, Clasp for machine.....	G. H. Fox.....	167,832	Sept. 21, 1875	431	137	8	453
Belting, Leather.....	C. H. H. W., and E. P. Alexander.....	164,507	June 15, 1875	640	207	7	1036
Belting, Machine.....	C. A. Jewell.....	164,602	June 1, 1875	136	48	7	949
Belting, Manufacture of leather.....	F. G. Stimmer and G. O. Clark.....	163,337	May 18, 1875	597	.....	7	849
Belting, Uniting the ends of.....	C. C. Roe.....	169,482	Nov. 2, 1875	144	47	8	755
Belt: See Saw-bench. Wash-bench.							
Bench-book.....	C. E. Smith.....	165,262	July 6, 1875	110	33	8	24
Bench-plane.....	A. H. Dean.....	161,213	Mar. 23, 1875	895	294	7	497
Bending machine, Metal.....	J. C. Chapman.....	160,647	Mar. 9, 1875	360	121	7	409
Bending machine, Metal.....	E. Devine.....	165,844	July 20, 1875	662	203	8	124
Bending machine, Metal.....	E. A. Peck.....	158,600	Jan. 12, 1875	237	80	7	57
Bending metal timber-hangers, Device for.....	J. Flynn.....	166,088	July 27, 1875	949	293	8	175
Bending machine, Wood.....	S. R. Bailey.....	170,981	Dec. 14, 1875	314	104	8	199
Bending machine, Wood.....	W. Briggs.....	164,901	June 29, 1875	1028	392	7	1163
Bending machine, Wood.....	J. W. Griffiths.....	171,376	Dec. 21, 1875	701	{ 231 } { 232 }	8	1059
Bending machine, Wood.....	E. Q. Smith.....	170,910	Dec. 7, 1875	225	77	8	981
Bending wood.....	S. R. Bailey.....	162,138	Apr. 20, 1875	510	168	7	657
Berry-cup.....	D. W. Kiffin.....	163,665	May 25, 1875	906	288	7	896
Berth, Ship's.....	J. Mahoney.....	163,030	May 11, 1875	281	91	7	792
Berth, Ship's swinging.....	E. P. S. Andrews.....	170,324	Nov. 23, 1875	996	312	8	889
Berth, Ship's swinging.....	T. P. Ford.....	167,091	Aug. 24, 1875	893	278	8	351
Berth, Sleeping-car.....	C. E. Lucas.....	159,195	Jan. 26, 1875	823	271	7	159
Berth, Swinging.....	B. W. Brown.....	167,217	Aug. 31, 1875	1028	319	8	376
Berth, Swinging.....	J. Michel.....	161,651	Mar. 23, 1875	748	246	7	478
Berths, Swinging ship's.....	T. P. Ford.....	163,861	June 1, 1875	24	7	7	933
Berths, Swinging ship's.....	W. Von Anser.....	163,901	June 1, 1875	53	18	7	938
Bessemer converter.....	A. S. Dunning.....	164,982	June 29, 1875	1998	354	7	1112
Bessemer converters, Turning.....	W. F. Darfee.....	167,077	Aug. 21, 1875	874	273	8	348
Bevel, try-square, and dividers, Combined.....	W. Ascough.....	160,503	Mar. 9, 1875	226	81	7	291
Bias, Apparatus for cutting goods.....	S. Mayer.....	160,607	Mar. 9, 1875	327	110	7	404
Bias, Apparatus for cutting goods.....	S. Mayer.....	162,841	May 4, 1875	95	31	7	759
Bias-gage.....	J. A. Hamilton.....	165,999	July 27, 1875	866	266	8	163
Bilge-protector for vessels.....	B. Edgar.....	168,974	Oct. 19, 1875	629	208	8	676
Bilge-water from vessels, Means of discharging.....	C. M. Gearing.....	161,775	Apr. 6, 1875	153	55	7	592
Bilge-water from vessels, Means for ventilating and discharging.....	D. Leily.....	164,191	June 8, 1875	331	113	7	987

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Bill holder and separator combined.....	A. M. Lockhart .....	160, 780	Mar. 16, 1875	507	165	7	436
Billet-loop.....	K. W. Holmes.....	170, 264	Nov. 23, 1875	944	295	8	881
Billiard-chalk holder.....	J. Simonton.....	169, 488	Nov. 2, 1875	149	48	8	755
Billiard-cue-tip fastener.....	C. Gravelius.....	165, 562	July 13, 1875	422	127	8	75
Billiard-cushion.....	F. E. Held and M. Bensinger.....	161, 880	Apr. 13, 1875	269	90	7	619
Billiard-register, Electrical.....	C. H. Russell and J. Sax.....	164, 661	June 22, 1875	785	257	7	1064
Billiard-table.....	H. W. Collender.....	170, 050	Nov. 16, 1875	726	231	8	845
Billiard-table.....	A. Hand.....	170, 169	Nov. 23, 1875	859	268	8	870
Billiard-table.....	F. E. Held.....	170, 557	Nov. 30, 1875	1225	385	8	929
Billiard-table bolt.....	C. Joergens.....	167, 540	Sept. 7, 1875	142	43	8	426
Billiard-table cushion.....	J. E. Came.....	159, 390	Feb. 2, 1875	132	46	7	203
Billiard, &c., table leveler.....	H. W. Collender.....	167, 501	Sept. 7, 1875	163	33	8	421
Bin: See Lime-bin.	A. J. Michel.....	169, 281	Oct. 26, 1875	933	303	8	719
Binder, Temporary.....	W. A. Amberg.....	169, 667	Nov. 9, 1875	346	109	8	788
Binder, Temporary.....	H. A. Eehn, Jr.....	161, 198	Mar. 23, 1875	882	290	7	495
Binder, Temporary.....	W. H. Bennett.....	169, 136	Oct. 20, 1875	805	261	8	701
Binder, Temporary.....	E. Buell.....	163, 452	May 18, 1875	693	221	7	861
Binder, Temporary.....	A. A. Goldsmith.....	160, 419	Mar. 2, 1875	145	51	7	369
Binder, Temporary.....	F. Guicheteau and A. Perin.....	158, 839	Jan. 19, 1875	471	158	7	105
Binder, Temporary.....	J. N. Hale.....	160, 517	Mar. 9, 1875	249	85	7	393
Binder, Temporary.....	C. D. Lindsey.....	170, 282	Nov. 23, 1875	957	300	8	883
Binder, Temporary.....	N. S. Otis.....	168, 179	Sept. 28, 1875	769	244	8	538
Binder, Temporary.....	R. O. Peirce and W. H. Foye.....	164, 030	June 1, 1875	164	58	7	953
Binder, Temporary.....	H. B. Stephenson.....	170, 202	Nov. 23, 1875	887	277	8	873
Bird-cage.....	H. Belmer.....	162, 142	Apr. 20, 1875	512	169	7	657
Bird-cage.....	D. F. Burns.....	169, 145	Oct. 26, 1875	812	263	8	702
Bird-cage.....	A. L. Edwards.....	166, 595	Aug. 10, 1875	395	122	8	263
Bird-cage.....	A. L. Edwards.....	166, 596	Aug. 10, 1875	396	122	8	263
Bird-cage.....	J. L. Fisher.....	167, 325	Aug. 31, 1875	1119	351	8	390
Bird-cage.....	G. Gunther.....	162, 645	Apr. 27, 1875	993	319	7	725
Bird-cage.....	G. Gunther.....	170, 847	Dec. 7, 1875	171	58	8	973
Bird-cage.....	A. B. Hendryx.....	161, 788	Apr. 6, 1875	169	58	7	593
Bird-cage.....	C. F. Holden.....	170, 671	Dec. 7, 1875	16	5	8	953
Bird-cage.....	J. Maxheimer.....	162, 400	Apr. 20, 1875	756	246	7	687
Bird-cage.....	L. P. Reichert.....	161, 275	Mar. 23, 1875	965	315	7	565
Bird-cage.....	L. P. Reichert.....	163, 330	May 18, 1875	590	189	7	848
Bird-cage attachment.....	G. Fliedner.....	158, 695	Jan. 12, 1875	320	109	7	69
Bird-cage feed-cup.....	G. R. Osborn and B. A. Drayton.....	171, 309	Dec. 21, 1875	645	211	8	1051
Bird-cage, Hanging.....	G. W. Fuller.....	170, 845	Dec. 7, 1875	170	58	8	973
Bird-cage hook.....	J. Conly.....	161, 206	Mar. 23, 1875	890	292	7	496
Bird-cage hook.....	G. R. Osborn and B. A. Drayton.....	169, 571	Nov. 2, 1875	232	76	8	766
Bird-cage hook, Extension.....	V. Baloon.....	163, 909	June 1, 1875	60	20	7	938
Bird-cage mat.....	A. B. Hendryx.....	163, 772	May 25, 1875	994	315	7	908
Bird-food holder.....	S. E. Tompkins.....	160, 853	Mar. 16, 1875	567	184	7	444
Bird-house.....	E. A. La Bay.....	159, 938	Feb. 16, 1875	671	222	7	289
Biscuit-cutter.....	A. P. Ashbourne.....	170, 460	Nov. 30, 1875	1133	357	8	916
Bit:							
See Auger-bit.....	Driving-bit.....						
Boring-bit.....	Expanding-bit.....						
Bridle-bit.....	Expansile bit.....						
Cutter-bit.....	Metal-boring bit.....						
Drill-bit.....	Snaffle-bit.....						
Bit-gage.....	A. B. Batson.....	169, 075	Oct. 26, 1875	744	243	8	693
Bit-stock.....	E. R. Charles.....	162, 271	Apr. 30, 1875	631	206	7	672
Bit-stock.....	H. C. Hart.....	161, 031	Mar. 23, 1875	731	240	7	475
Bit-stock.....	D. F. Sutton.....	163, 896	June 1, 1875	49	17	7	937
Bit-stock.....	W. Tucker.....	160, 365	Mar. 2, 1875	94	35	7	392
Bit-stock, Angular.....	J. W. Athome.....	171, 255	Dec. 21, 1875	598	196	8	1045
Blackboard attachment.....	H. B. Marshall.....	169, 649	Nov. 9, 1875	328	104	8	786
Blackboard-eraser.....	G. H. Grant.....	164, 547	June 15, 1875	673	218	7	1040
Blackboard-rubber.....	D. Jackson.....	164, 173	June 8, 1875	318	108	7	895
Blackboards or slates, Process of forming.....	H. R. Stewart.....	169, 861	Nov. 9, 1875	545	.....	8	812
Blacking case, Shoe.....	C. P. Ellis.....	159, 167	Jan. 26, 1875	795	261	7	155
Blacking case, Shoe.....	W. H. Morse.....	159, 602	Feb. 9, 1875	345	114	7	240
Blacking for boots, &c.....	C. Alvord.....	160, 741	Mar. 16, 1875	465	.....	7	431
Blacking, Water-proof liquid.....	E. Clark.....	158, 907	Jan. 19, 1875	537	.....	7	113
Blank and envelope, Combined.....	W. L. Gross and W. W. Kelchner.....	163, 185	May 11, 1875	434	141	7	811
Blast-holes, Expanding-bit for enlarging.....	G. Frisbee.....	162, 163	Apr. 20, 1875	532	175	7	659
Blast to furnaces, Device for supplying steam.....	E. J. Jones.....	167, 103	Aug. 24, 1875	903	282	8	352
Blasting, &c., Detonating-cap for.....	J. Goldmark.....	168, 895	Oct. 19, 1875	534	181	8	659
Blasting-process.....	G. Frisbee.....	164, 022	June 8, 1875	239	82	7	974
Blastings, &c., Priming for electric.....	G. M. Mowbray.....	161, 432	Mar. 30, 1875	1128	.....	7	534
Bleaching-boiler, Rotary.....	H. Loring.....	166, 117	July 27, 1875	976	301	8	179
Blind, Inside.....	J. Bryan.....	168, 221	Sept. 28, 1875	805	256	8	543
Blind, Inside.....	T. Fetherston.....	169, 247	Oct. 26, 1875	899	292	8	715
Blind, Inside venetian.....	J. Seaman.....	167, 942	Sept. 21, 1875	521	166	8	496
Blind, Metallic window.....	W. S. Mackrell.....	166, 535	Aug. 10, 1875	341	105	8	255
Blind-slat adjuster.....	D. A. Aaron.....	158, 562	Jan. 12, 1875	201	69	7	53
Blind-slat adjuster.....	W. W. Byam.....	171, 096	Dec. 14, 1875	416	139	8	1013
Blind-slat adjuster.....	J. L. A. Johnson and C. B. Hopkins.....	169, 644	Nov. 9, 1875	325	103	8	765
Blind-slat adjuster.....	W. M. Lanphere.....	164, 464	June 15, 1875	605	196	7	1031
Blind-slat adjuster.....	S. M. G. Lund.....	163, 019	May 11, 1875	280	90	7	792
Blind-slat adjuster.....	G. A. Myers.....	167, 923	Sept. 21, 1875	506	161	8	494
Blind-slat adjuster.....	G. Nichols.....	169, 570	Nov. 2, 1875	231	76	8	766
Blind-slat adjuster.....	J. G. White.....	165, 394	July 6, 1875	242	73	8	41
Blind-slat and rod wiring machine.....	W. S. Gray.....	163, 065	May 11, 1875	326	{ 105 106 258 259	{ 7 7 8 8	{ 797 797 700 700
Blind-slat operator.....	W. Strunk.....	169, 127	Oct. 26, 1875	798	{ 258 259	{ 8 8	{ 700 700
Blind-slats, Machinery for compressing the ends of.....	E. Cather.....	167, 824	Sept. 21, 1875	423	135	8	481
Blind-slats, Machine for forming metallic end pieces for.....	S. M. Sherman.....	171, 535	Dec. 28, 1875	869	{ 284 285	{ 8 8	{ 1080 1080

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Blind-stile-boring machine	J. Boe	171, 546	Dec. 28, 1875	879	287	8	1091
Blind-stile-boring machine	F. H. Dam	169, 679	Nov. 9, 1875	355	112	8	789
Blind-stile-boring machine	J. M. Seymour	168, 532	Oct. 5, 1875	193	63	8	592
Blind-stop	W. A. Clark	160, 051	Feb. 23, 1875	794	262	7	313
Blind-stop	J. Dougherty	158, 630	Jan. 12, 1875	261	87	7	61
Blind-stop	T. T. Duffy	164, 431	June 15, 1875	578	187	7	1028
Blind-stop	A. T. Elford	158, 634	Jan. 12, 1875	265	90	7	61
Blind-stop	N. Hetz	163, 073	May 11, 1875	331	108	7	798
Blind-stop	L. Jermain	161, 125	Mar. 23, 1875	823	269	7	487
Blind-stop	J. D. Jones	159, 417	Feb. 2, 1875	158	53	7	206
Blind-stop	E. S. Shook	158, 445	Jan. 5, 1875	80	28	7	20
Blind-stop	C. E. Steller	159, 620	Feb. 9, 1875	358	119	7	242
Blind-stop	C. E. Steller	165, 269	July 6, 1875	115	35	8	24
Blind-stop	G. Woodward	160, 805	Mar. 16, 1875	532	172	7	439
Blind-stop	W. Wright	167, 815	Sept. 14, 1875	404	130	8	471
Blind, Venetian	T. Fayat	167, 889	Sept. 21, 1875	483	152	8	490
Blind, Window	S. W. Merrill	163, 679	May 25, 1875	915	291	7	898
Blind, Window	J. Poyer	163, 690	May 25, 1875	924	294	7	899
Blinds, Machinery for making	W. H. Tappae	166, 319	Aug. 3, 1875	123	38	8	217
Block:							
See Hat-block.	Picture and letter block.						
Head-block.	Pouncing-block.						
Letter-block.	Pulley-block.						
Letter and picture block.	Saw-mill head-block.						
Muff-block.	Slate-cleaning block.						
Pantaloons-block.	Snatch-block.						
Paving-block.	Stereotype-block.						
Paving and building block.	Tackle-block.						
	Toy building-block.						
	Wagon-brake block.						
Blood, tank-offal, &c., Apparatus for treating	T. Webber	170, 036	Nov. 16, 1875	703	{ 222 } { 221 }	8	842
Blotter and paper-weight, Combined	W. H. Babcock	170, 043	Nov. 16, 1875	710	225	8	843
Blotter, paper-cutter, and ruler, Combined	F. R. Angell	162, 516	Apr. 27, 1875	885	283	7	712
Blow-pipe	C. Ramley	170, 304	Nov. 23, 1875	978	306	8	886
Blow-pipe, Self-acting	J. M. Hancock	166, 275	Aug. 3, 1875	81	25	8	211
Blower, Fan	B. F. Sturtevant	162, 967	May 4, 1875	219	70	7	776
Blower, Fan	B. F. Sturtevant	162, 968	May 4, 1875	219	70	7	776
Blower, Fire	J. Reid	169, 585	Nov. 2, 1875	245	81	8	767
Blower, Fire-place	J. C. Kenneday	167, 906	Sept. 21, 1875	496	157	8	492
Blower for gas-machines, Pressure	J. H. Bean	165, 782	July 20, 1875	636	{ 195 } { 196 }	8	121
Blower, Forge	L. H. Watson	161, 581	Mar. 30, 1875	1273	409	7	553
Blower, Rotary	T. S. Disston	165, 865	July 20, 1875	662	203	8	124
Blower, Rotary	J. McCloskey	161, 549	Mar. 30, 1875	1048	311	7	524
Blower, Rotary pressure	W. L. Palmer and I. W. Knox	166, 295	Aug. 3, 1875	101	32	8	213
Blower, Rotary pressure	T. L. Varns	164, 346	June 8, 1875	482	159	7	1006
Blowing-case	S. W. Sheldon	162, 800	May 4, 1875	115	37	7	763
Board:							
See Advertising display-board.	Kneading-board.						
Bosom-board.	Lap-board.						
Buck-board.	Leather-board.						
Center-board.	Marking-board.						
Dash-board.	Mold-board.						
Dough-kneading board.	Organ-reed board.						
Drawing-board.	Paper-board.						
Flooring-board.	Piano-forte board.						
Game-board.	board.						
Insect clip-board.	Straw-board.						
Ironing-board.	Wash-board.						
Boat:							
See Canal-boat.	Life-boat.						
Collapsible boat.	Steam-boat.						
Ice-boat.	Torpedo-boat.						
Boat-detaching apparatus	J. Patterson	170, 892	Dec. 7, 1875	298	72	8	978
Boat-framing machine	C. Bartlett	169, 334	Nov. 2, 1875	10	3	8	736
Bobbin	H. J. Hubbard	169, 546	Nov. 2, 1875	207	68	8	762
Bobbin-casting machine	M. Dimock	160, 008	Feb. 23, 1875	757	251	7	308
Bobbin-casting mold	M. Dimock	159, 397	Feb. 2, 1875	139	48	7	204
Bobbin-turning machine	L. Bean and J. M. Butters	164, 130	June 8, 1875	278	75	7	979
Bobbin-winder	J. Dorman	165, 807	July 20, 1875	665	201	8	121
Body-brace	H. R. Allen	164, 706	June 22, 1875	830	270	7	1070
Body-loop	R. W. McClelland	162, 670	Apr. 27, 1875	1020	326	7	728
Boiler:							
See Agricultural boiler.	Sectional boiler.						
Bleaching-boiler.	Steam-boiler.						
Fire-engine boiler.	Tubular boiler.						
Gas-burning boiler.	Upright boiler.						
Locomotive-boiler.	Wash-boiler.						
Portable boiler.	Water-heater boiler.						
Portable-engine boiler.	Water-tube boiler.						
Range-boiler.							
Boiler-alarm and register, Electric	W. C. Baker	165, 700	July 20, 1875	564	172	8	110
Boiler anti-incrustation battery	J. F. Donoghue	160, 008	Feb. 23, 1875	759	241	7	308
Boiler-cleaner	T. O. Kemp	166, 782	Aug. 17, 1875	582	179	8	298
Boiler-covering	J. W. Hanmore	159, 546	Feb. 9, 1875	305	99	7	531
Boiler-covering	A. Leydet	161, 801	Apr. 6, 1875	180	.....	7	595
Boiler-covering	L. L. Merroll	170, 099	Nov. 16, 1875	769	.....	8	850
Boiler-covering	E. W. Smith	161, 168	Mar. 23, 1875	859	280	7	492
Boiler-covering	F. B. Stevens	169, 492	Nov. 2, 1875	152	50	8	756
Boiler-explosions, Means for preventing	G. Selden	161, 709	Apr. 6, 1875	99	35	7	853
Boiler-feeder	V. D. Anderson	168, 077	Sept. 28, 1875	669	213	8	525
Boiler-feeder	F. McGuire	160, 930	Mar. 16, 1875	634	207	7	453

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Boiler-feeder .....	T. Reese .....	164, 595	June 15, 1875	713	232	7	1046
Boiler-feeder and regulator .....	T. G. Gardner .....	163, 177	May 11, 1875	426	139	7	810
Boiler-feeder, Automatic .....	S. Cook .....	171, 100	Dec. 14, 1875	420	139 140	8	1014
Boiler-feeder, &c., Automatic .....	J. W. Hopkins .....	159, 095	Jan. 26, 1875	733	242	7	147
Boiler-flue cleaner .....	M. M. Smith .....	165, 182	July 6, 1875	39	11	8	14
Boiler for heating purposes .....	E. and W. B. Mayer .....	158, 854	Jan. 19, 1875	483	162	7	107
Boiler-furnace .....	W. Allensworth .....	159, 138	Jan. 26, 1875	770	253	7	152
Boiler-furnace, Locomotive .....	W. F. Grassler .....	167, 448	Sept. 7, 1875	61	19	8	415
Boiler-furnace, Steam .....	D. P. Beard .....	163, 137	May 11, 1875	388	125	7	605
Boiler-furnace, Steam .....	H. E. Champion .....	159, 902	Feb. 16, 1875	640	212	7	285
Boiler-furnace, Steam .....	E. P. Chancellor .....	158, 635	Jan. 12, 1875	257	87	7	60
Boiler-furnace, Steam .....	W. Dawson and J. Hughes .....	162, 536	Apr. 27, 1875	902	288	7	713
Boiler-furnace, Steam .....	J. Enright .....	169, 531	Nov. 2, 1875	185	63	8	760
Boiler-furnace, Steam .....	R. H. Gordon, jr. ....	170, 948	Dec. 14, 1875	278	94	8	995
Boiler-furnace, Steam .....	J. C. Hoadley .....	161, 122	Mar. 23, 1875	820	268	7	487
Boiler-furnace, Steam .....	E. Kaselowsky .....	168, 502	Oct. 5, 1875	163	53	8	588
Boiler-furnace, Steam .....	J. A. Locke .....	169, 455	Nov. 2, 1875	120	38	8	751
Boiler-furnace, Steam .....	S. Moses .....	168, 766	Oct. 11, 1875	431	140	8	634
Boiler-furnace, Steam .....	C. E. Robinson .....	171, 632	Dec. 28, 1875	976	316	8	1104
Boiler-furnace, Steam .....	C. D. Smith .....	165, 690	July 20, 1875	555	169	8	109
Boiler-furnace, Steam .....	H. M. Smith .....	164, 403	June 15, 1875	548	179	7	1024
Boiler-furnaces, Feeding air to steam .....	W. C. Ford .....	170, 165	Nov. 23, 1875	855	267	8	869
Boiler-furnaces, Superheater for marine .....	W. C. Ford .....	170, 163	Nov. 23, 1875	853	267	8	869
Boiler-furnaces, Supplying heated air to .....	W. C. Ford .....	170, 164	Nov. 23, 1875	854	267	8	869
Boiler-head flanges, Machine for turning .....	R. C. Nugent .....	166, 715	Aug. 17, 1875	524	160	8	290
Boiler-heater and feed-pump .....	J. A. T. Overend .....	165, 860	July 20, 1875	722	220	8	132
Boiler-incrustations, Compound for removing .....	J. M. Wishart .....	169, 219	Oct. 26, 1875	877	.....	8	712
Boiler, pipe, &c., covering .....	W. O'Hara .....	159, 206	Jan. 26, 1875	834	.....	7	161
Boiler-plate-punching machine .....	D. C. Carroll, D. Rogers, and A. W. Foster, jr. ....	164, 673	June 22, 1875	796	261	7	1066
Boiler-tube .....	S. W. Martin .....	169, 913	Nov. 16, 1875	604	187	8	823
Boiler-tube cleaner .....	C. Schmandt .....	161, 558	Mar. 30, 1875	1248	401	7	550
Boiler-tube expander .....	O. Pagan .....	160, 699	Mar. 9, 1875	407	136	7	416
Boiler-tubes, Device for securing .....	J. E. Jerrold .....	167, 339	Aug. 31, 1875	1131	355	8	391
Boiling-pot .....	W. H. Hennaman and W. F. Shaw, jr. ....	166, 102	July 27, 1875	963	297	8	177
Bolt:							
See Door-bolt. Shutter-bolt.							
Flour-bolt. Wagon-bolt.							
King-bolt.							
Bolt .....	T. E. S. Crane .....	167, 828	Sept. 21, 1875	427	136	8	482
Bolt and lath machine, Combined .....	J. C. Gaither and J. T. Hill .....	168, 474	Oct. 5, 1875	137	46	8	584
Bolt and rivet cutter .....	D. M. Kelley .....	162, 508	Oct. 11, 1875	252	83	8	607
Bolt and rivet machine .....	J. C. Getz .....	167, 522	Sept. 7, 1875	126	38	8	424
Bolt-ends, Device for rounding .....	J. Nelson .....	163, 797	May 25, 1875	1015	322	7	911
Bolt heading and squaring die .....	J. B. Clark .....	165, 542	July 13, 1875	407	122	8	72
Bolt-heading die .....	R. Gracey .....	158, 484	Jan. 5, 1875	117	40	7	25
Bolt-heading machine .....	R. Gracey .....	158, 485	Jan. 5, 1875	119	49	7	26
Bolt-heading machine .....	S. C. Smith .....	162, 583	Apr. 27, 1875	940	302	7	719
Bolt-heading-machine die .....	J. Browning .....	167, 062	Aug. 24, 1875	863	268	8	346
Bolt-pointing tool .....	P. Hartin and W. Cummins .....	159, 922	Feb. 16, 1875	656	217	7	287
Bolt-threading machine .....	E. Schlenker .....	162, 194	Apr. 20, 1875	559	183 184	7	663
Bolt-trimmer .....	A. Graham .....	165, 445	July 13, 1875	315	93	8	58
Bolts, Machine for dressing the heads and pointing } and threading the shanks of.	W. E. Hard .....	171, 493	Dec. 28, 1875	828	272	8	1084
Bolts, rivets, &c., Machine for making .....	J. R. Blakeslee .....	170, 151	Nov. 23, 1875	843	273	8	867
Bolting-chest .....	D. N. Swisher and E. P. Campbell .....	167, 362	Aug. 31, 1875	1152	362	8	394
Bolting-reel .....	A. H. Nordyke .....	162, 408	Apr. 20, 1875	764	247	7	688
Bomb lance .....	P. Cunningham .....	171, 553	Dec. 28, 1875	884	290	8	1092
Bone-black, Apparatus for burning and revivifying .....	J. Gandolfo .....	165, 992	July 27, 1875	861	265	8	163
Bone-black revivifier .....	J. Gandolfo .....	167, 235	Aug. 31, 1875	1043	324	8	379
Bone-erushing machine .....	A. Kumpf .....	159, 334	Feb. 2, 1875	88	30	7	196
Bonnet-fastener .....	E. K. Hall .....	171, 015	Dec. 14, 1875	342	114	8	1003
Book, Account .....	R. Mott and C. Carroll .....	169, 828	Nov. 9, 1875	512	160	8	608
Book and music support .....	L. Berg .....	171, 260	Dec. 21, 1875	604	197	8	1046
Book-backing machine .....	J. Armstrong .....	166, 328	Aug. 3, 1875	129	40	8	217
Book-backing machine .....	J. E. Coffin .....	171, 366	Dec. 21, 1875	693	223 229	8	1058
Book-binding .....	G. K. Snow .....	168, 535	Oct. 5, 1875	198	65	8	592
Book, Blank .....	I. Reynolds .....	164, 873	June 22, 1875	984	318	7	1090
Book-case .....	J. J. Crandall .....	161, 669	Apr. 6, 1875	71	25	7	579
Book-clamp .....	J. B. Boyce .....	161, 743	Apr. 6, 1875	133	46	7	588
Book-clasp .....	N. Harlan .....	164, 646	June 22, 1875	773	253	7	1063
Book-clip .....	H. T. Dunlap .....	160, 686	Mar. 16, 1875	596	191	7	448
Book, Copy .....	E. F. Goodman .....	167, 447	Sept. 7, 1875	60	18	8	415
Book-cover protector .....	G. W. Holden .....	169, 805	Nov. 14, 1875	596	185	8	829
Book-holder .....	L. A. Monilton .....	168, 276	Sept. 28, 1875	856	272	8	550
Book-holder .....	A. L. Wilson .....	160, 044	Feb. 23, 1875	787	259	7	312
Book, Pocket blank .....	A. V. S. Smith .....	168, 796	Oct. 11, 1875	457	149	8	637
Book-rack .....	D. J. Stein .....	158, 751	Jan. 12, 1875	364	124	7	75
Book-rack, Suspension .....	F. F. Hill .....	167, 243	Aug. 31, 1875	1053	327	8	380
Book-rest .....	R. S. Grummon .....	161, 026	Mar. 23, 1875	727	239	7	475
Book rounding and backing machine .....	G. L. Bailey .....	161, 089	Mar. 23, 1875	784	258 259	7	482
Book rounding and backing machine .....	J. E. Coffin .....	158, 679	Jan. 12, 1875	305	101	7	67
Book-sewing machine .....	J. Armstrong .....	166, 329	Aug. 3, 1875	131	41	8	218
Book-stitching machine .....	L. Goddu .....	168, 736	Oct. 11, 1875	405	132	8	630
Book-support .....	W. Patton .....	165, 500	July 13, 1875	368	109	8	66
Book-support .....	R. T. Stoddard .....	161, 593	Mar. 23, 1875	980	320	7	507
Book-supporter .....	R. T. Stoddard .....	167, 951	Sept. 21, 1875	528	169	8	498
Books, Fire-proof covering for .....	E. W. Glover .....	169, 536	Nov. 2, 1875	190	65	8	761
Boom, Sheer .....	H. Anderson .....	160, 070	Feb. 23, 1875	812	267	7	315

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Boom, Sheer	W. C. Culbertson	163, 002	May 11, 1875	265	86	7	780
Boom, Sheer	T. Irvine	159, 328	Feb. 2, 1875	83	28	7	195
Boom, Sheer	P. A. Prince	164, 211	June 8, 1875	349	119	7	929
Boot	A. A. Cuning	168, 882	Oct. 19, 1875	543	178	7	658
Boot	H. Hall	167, 450	Sept. 7, 1875	63	19	7	415
Boot and glove buttoner combined	G. Stackpole	161, 548	Mar. 30, 1875	1241	399	7	549
Boot and shoe	W. Biddle	171, 498	Dec. 28, 1875	838	274	7	1085
Boot and shoe	T. R. Evans	163, 171	May 11, 1875	422	137	7	810
Boot and shoe	T. R. Evans	170, 359	Nov. 23, 1875	1023	321	7	893
Boot and shoe	C. F. Hill	162, 923	May 4, 1875	168	52	7	769
Boot and shoe	E. S. Justh	169, 006	Oct. 19, 1875	600	217	7	673
Boot and shoe	W. Meyer and H. Freiburg	161, 809	Apr. 6, 1875	189	64	7	696
Boot and shoe	W. Meyer and H. Freiburg	164, 860	June 23, 1875	971	314	7	1088
Boot and shoe	W. Meyer and H. Freiburg	166, 621	Aug. 10, 1875	418	129	7	266
Boot and shoe	W. B. Rice	170, 016	Nov. 16, 1875	689	216	7	840
Boot and shoe	M. Robling	168, 051	Sept. 21, 1875	625	200	7	512
Boot and shoe	F. O. Ward	170, 611	Nov. 30, 1875	1279	403	7	935
Boot and shoe burnisher and seat-wheel	A. C. and T. T. Esworthy	170, 358	Nov. 23, 1875	1023	321	7	893
Boot and shoe burnishing and finishing tool	J. W. Carver	165, 917	July 27, 1875	783	240	7	153
Boot and shoe burnishing machine	G. McKay and H. P. Fairfield	159, 339	Feb. 2, 1875	91	32	7	196
Boot and shoe cleaner	H. H. Holmes	163, 492	May 18, 1875	732	233	7	866
Boot and shoe cording material	A. P. Nash	161, 434	Mar. 30, 1875	1130	364	7	534
Boot and shoe counter blanks, Machine for notching and flanging.	N. Harwood	168, 329	Oct. 5, 1875	13	5	8	566
Boot and shoe counter stiffeners, Apparatus for shaping.	J. R. Moffitt	159, 835	Feb. 16, 1875	575	191	7	276
Boot and shoe counter stiffeners, Machine for skiving.	C. H. Orent	159, 606	Feb. 9, 1875	348	115	7	241
Boot and shoe counters, Machine for making.	J. R. Moffitt	159, 702	Feb. 9, 1875	434	145	7	233
Boot and shoe counters, Machinery for skiving.	T. Andrews	168, 596	Oct. 11, 1875	280	91	7	611
Boot and shoe crimper	C. Heller	164, 680	June 22, 1875	801	262	7	1067
Boot and shoe crimping machine	L. H. Farnsworth and T. Barrett	158, 789	Jan. 19, 1875	422	142	7	99
Boot and shoe crimping machine	J. P. Mitchell	165, 605	July 13, 1875	460	141	8	80
Boot and shoe crimping machine	L. H. Farnsworth	158, 788	Jan. 19, 1875	421	141	7	99
Boot and shoe fastening	H. E. Dennett	167, 829	Sept. 21, 1875	428	136	8	482
Boot and shoe, Gaiter.	W. E. Putnam	163, 525	May 18, 1875	770	244	7	871
Boot and shoe, Laced.	P. Plant	163, 804	May 25, 1875	1023	324	7	912
Boot and shoe leather crimping machine	C. B. Long	161, 247	Mar. 23, 1875	935	304	7	502
Boot and shoe nailing machine	W. Fitzgerald	169, 429	Nov. 2, 1875	99	31	8	748
Boot and shoe nailing machine	G. McKay and H. P. Fairfield	171, 300	Dec. 21, 1875	637	209	8	1050
Boot and shoe nailing machine	F. M. Shaw	169, 661	Nov. 9, 1875	339	107	8	787
Boot and shoe nailing machines, Jack attachment for.	L. Goddu	163, 475	May 18, 1875	718	229	7	865
Boot and shoe polishing machine	W. Place and R. Cunningham	170, 765	Dec. 7, 1875	103	32	8	964
Boot and shoe rands, Die for cutting.	C. H. Brigham	164, 963	June 29, 1875	1083	349	7	1110
Boot and shoe shank making machine	L. Bradford, 2d	162, 740	May 4, 1875	5	2	7	747
Boot and shoe shank stiffeners, Machine for cutting	J. M. Watson	170, 135	Nov. 16, 1875	601	253	8	855
Boot and shoe stiffener	G. Boivin	162, 825	Apr. 27, 1875	892	285	7	712
Boot and shoe strap protector	H. P. Osborne	166, 547	Aug. 10, 1875	351	108	8	257
Boot and shoe stretcher	O. F. Garvey	165, 556	July 13, 1875	417	126	8	74
Boot and shoe tack driving machine	H. G. Thompson and C. Luke	159, 473	Feb. 2, 1875	221	72	7	215
Boot and shoe tack driving machine	H. G. Thompson and C. Luke	159, 474	Feb. 2, 1875	222	72	7	215
Boot and shoe tack driving machine	H. G. Thompson and C. Luke	159, 475	Feb. 2, 1875	223	72	7	215
Boot and shoe tip	F. L. Straw and B. F. Sparrow	170, 028	Nov. 16, 1875	697	230	8	841
Boot and shoe toe protector.	R. and J. Eritt	165, 085	June 29, 1875	1185	381	7	1124
Boot and shoe wets, Machine for cutting and blacking.	T. K. Keith	170, 955	Dec. 14, 1875	285	96	8	996
Boot and shoe, Wooden-soled	M. J. S. Falcon	166, 517	Aug. 10, 1875	328	99	8	253
Boot and shoe, Wooden-soled	M. J. S. Falcon	170, 161	Nov. 23, 1875	851	266	8	808
Boot-calk, Raftsmen's	R. D. Guilford	167, 239	Aug. 31, 1875	1046	325	8	379
Boot-clamp for boot-blacks	O. Collier	161, 593	Apr. 6, 1875	6	2	7	569
Boot-crimper	W. H. Eddy	169, 971	Nov. 16, 1875	649	204	8	834
Boot-fronts, Mode of cutting.	J. T. Harper	165, 572	July 13, 1875	432	131	8	77
Boot, Gaiter	B. C. Young	159, 135	Jan. 26, 1875	768	252	7	151
Boot-holder	A. N. Brencman	166, 182	Aug. 3, 1875	2	1	8	199
Boot-jack	H. N. Conklin	158, 911	Jan. 19, 1875	541	180	7	113
Boot-jack	A. N. De Bauw	163, 482	July 13, 1875	353	103	8	64
Boot-jack	T. Massie	171, 398	Dec. 21, 1875	728	239	8	1062
Boot-jack	M. A. Richardson	168, 107	Sept. 28, 1875	701	222	8	529
Boot-leg-turning machine.	D. Bissell	159, 295	Feb. 2, 1875	47	17	7	191
Boot, Opera	J. T. Harper	162, 916	May 4, 1875	163	53	7	768
Boot or shoe soles, Machinery for forming an imitation stich on.	C. S. Dunbraek and W. B. Fezey	158, 633	Jan. 12, 1875	263	89	7	61
Boot or shoe tip	H. W. Merrill and J. W. Hoitt	160, 835	Mar. 16, 1875	555	180	7	442
Boot, Rubber	J. Pienow	170, 767	Dec. 7, 1875	104	33	8	964
Boot, Rubber	I. F. Williams	166, 669	Aug. 10, 1875	460	141	8	272
Boot-shank spring	T. C. Walker	168, 301	Sept. 28, 1875	876	280	8	553
Boot-shank stiffener	J. M. Watson	159, 485	Feb. 2, 1875	230	75	7	216
Boot-tree	G. W. Badger	170, 462	Nov. 30, 1875	1137	358	8	917
Boot-tree	T. Branigan	165, 151	July 6, 1875	5	2	8	9
Boot-tree	H. C. Cass and G. R. Rankin	166, 499	Aug. 10, 1875	314	95	8	251
Boot-tree	R. Turncaure	164, 496	June 15, 1875	631	204	7	1034
Boots and shoes, Blank for box-toes of	N. R. Packard	166, 804	Aug. 17, 1875	603	186	8	302
Boots and shoes, Channel opener and molder for	T. L. Miller	168, 045	Sept. 21, 1875	619	198	8	510
Boots and shoes, Insole or former for use in making	J. Elam	162, 461	Apr. 27, 1875	837	270	7	706
Boots and shoes, Leather tip for	A. Van Wagenen	166, 653	Aug. 10, 1875	448	138	8	271
Boots and shoes, Machine for embossing the uppers of	E. R. Stimpson	168, 804	Oct. 11, 1875	463	151	8	638
Boots and shoes, Machine for inserting fibrous screw-fastenings in.	G. V. Sheffield	161, 449	Mar. 30, 1875	1142	368	7	536
Boots and shoes, Machine for making box-toes for	G. S. Heatou	162, 381	Apr. 20, 1875	738	240	7	685
Boots and shoes, Machine for screwing uppers to soles of.	C. Tyson	164, 345	June 8, 1875	477	158	7	1006
Boots and shoes, Manufacture of counter-stiffeners for.	H. Rogers	159, 220	Jan. 26, 1875	847	277	7	163
Boots and shoes, Metallic counter-support for.	H. C. Babcock	163, 349	May 18, 1875	608	194	7	850



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Boots and shoes, Screw-threaded wire for use in manufacture of.	A. Van Wageningen	161,842	Apr. 6, 1875	224	75	7	601
Boring and mortising machine.	H. Neamann	165,495	July 13, 1875	363	107	8	65
Boring bit, Wood	G. L. Holt	164,999	June 29, 1875	1112	359	7	1114
Boring cylinders Machine for	J. C. Chapman	162,458	Apr. 27, 1875	832	268	7	705
Boring-machine	G. W. Badger	170,980	Dec. 14, 1875	312	104	8	999
Boring-machine	G. Dryden	159,164	Jan. 26, 1875	792	260	7	155
Boring-machine	D. Minich	168,170	Sept. 28, 1875	763	242	8	537
Boring-machine	Z. C. Phillips	158,809	Jan. 19, 1875	442	147	7	101
Boring-machine	J. and G. Richards	159,279	Feb. 2, 1875	33	12	7	189
Boring-machine	M. T. Wilder, W. H. McNeil, and H. C. Tyler.	168,862	Oct. 19, 1875	526	{ 172 173 }	8	655
Boring machine, Wood	C. G. Cross	159,749	Feb. 16, 1875	497	166	7	266
Boring machine, Wood	J. Faraday	163,586	May 25, 1875	839	265	7	887
Boring machines, Gage attachment to wood	G. S. Hudson	170,267	Nov. 23, 1875	946	296	8	882
Bosom-board	A. Malloy	162,484	Apr. 27, 1875	857	275	7	708
Bosom-form	E. Leetch	165,842	July 20, 1875	705	214	8	129
Bosom-pad	J. C. Tallman	162,869	May 4, 1875	121	40	7	763
Bottle	J. Ernst	170,073	Nov. 16, 1875	746	236	8	847
Bottle	L. F. C. Schmidt	162,314	Apr. 20, 1875	669	218	7	677
Bottle	T. W. Synnott	162,117	Apr. 13, 1875	473	156	7	644
Bottle-capsuling apparatus	A. Bosquet	163,045	May 11, 1875	306	98	7	794
Bottle-capsuling machine	J. Patterson	159,707	Feb. 9, 1875	439	147	7	253
Bottle carrier, Soda	A. F. Knorp	165,005	June 29, 1875	1117	360	7	1115
Bottle, Dropping	C. C. Garrett	165,091	June 29, 1875	1191	383	7	1125
Bottle filler and corker	G. H. Ferry	161,167	Mar. 23, 1875	805	264	7	485
Bottle, Measuring	F. S. Baldwin	165,054	June 29, 1875	1159	373	7	1120
Bottle, Mustard	A. A. Plastridge	161,351	Mar. 30, 1875	1049	341	7	524
Bottle-necks, Machine for finishing	W. Langwell	166,390	Aug. 3, 1875	192	57	8	226
Bottle, Nursing	J. J. Christie	166,747	Aug. 17, 1875	553	170	8	294
Bottle, Nursing	J. L. Mason	159,197	Jan. 26, 1875	825	272	7	159
Bottle-opener, knife, ice-pick, &c., combined	G. A. Kiel and E. H. Kohler	169,175	Oct. 26, 1875	838	273	8	706
Bottle-stopper	C. M. Blydenburgh	159,067	Jan. 26, 1875	708	233	7	143
Bottle-stopper	R. Bollerman and D. L. Bollermann.	162,346	Apr. 20, 1875	699	227	7	680
Bottle-stopper	W. Bourguignon	158,464	Jan. 5, 1875	98	33	7	23
Bottle-stopper	A. Christin	161,863	Apr. 13, 1875	250	83	7	616
Bottle-stopper	G. J. Crikelair	162,203	May 4, 1875	62	29	7	755
Bottle-stopper	C. De Quillfeldt	158,406	Jan. 5, 1875	48	17	7	15
Bottle-stopper	F. Haury	167,530	Sept. 7, 1875	134	41	8	425
Bottle-stopper	T. J. Holmes	160,325	Mar. 2, 1875	63	22	7	358
Bottle-stopper	E. H. Hunt	169,000	Oct. 19, 1875	653	215	8	673
Bottle-stopper	A. Luthy	169,456	Nov. 2, 1875	121	38	8	751
Bottle-stopper	T. W. Murray	163,026	May 11, 1875	290	94	7	792
Bottle-stopper	T. W. Murray	171,410	Dec. 21, 1875	738	242	8	1063
Bottle-stopper	S. S. Newton	171,304	Dec. 21, 1875	641	210	8	1050
Bottle-stopper	G. E. Reed	166,298	Aug. 3, 1875	104	32	8	214
Bottle-stopper	M. W. Shaw	164,223	June 8, 1875	357	122	7	990
Bottle-stopper	W. Vom Hofe	163,553	May 18, 1875	793	251	7	874
Bottle-stopper	W. Vom Hofe	167,141	Aug. 24, 1875	937	292	8	357
Bottle stopper and discharger	F. B. Michell	159,200	Jan. 26, 1875	828	272	7	160
Bottle stopper and paddle combined, Blacking	H. D. Forbes	164,912	June 29, 1875	1038	335	7	1104
Bottle-stopper fastening	W. H. Bate	167,633	Sept. 14, 1875	239	74	8	446
Bottle stopper or cork	J. Schrink	164,879	June 22, 1875	991	320	7	1090
Bottle-stopper wire fastening	H. W. Yerington	162,451	Apr. 20, 1875	806	{ 261 262 }	7	693
Bottle-stoppers, Machine for bending wire frames of.	C. De Quillfeldt	167,650	Sept. 14, 1875	251	78	8	448
Bottle-stoppers, Making wire fastenings for	H. W. Yerington	164,245	June 8, 1875	321	130	7	993
Bottle-stoppers, Making wire fastenings for	H. W. Yerington	164,246	June 8, 1875	383	130	7	994
Bottle, Toilet-powder.	C. F. Williams and J. F. Hillhouse	167,378	Aug. 31, 1875	1167	368	8	397
Bottle-washing apparatus	F. Schlich and J. Koster	162,771	May 4, 1875	34	11	7	751
Bottles, Machine for applying wire ears to.	A. de Mestre	166,077	July 27, 1875	936	289	8	173
Bottles, Mold for manufacturing	P. W. Reid	169,038	Oct. 19, 1875	691	227	8	677
Bottling aerated liquids, Machine for	H. E. Clinton	160,394	Mar. 2, 1875	119	44	7	366
Bottling-apparatus	L. B. Wilson	168,547	Oct. 5, 1875	211	69	8	594
Bottling beer and similar liquids, Cork for.	C. Pfammenstiel	171,315	Dec. 21, 1875	650	142	8	1051
Bottling-machine	F. T. Ryberg	160,720	Mar. 9, 1875	427	142	7	418
Bottling mineral waters, &c	J. B. Neubrough	171,240	Dec. 21, 1875	584	192	8	1043
Bow and arrow	C. F. Teed	171,192	Dec. 14, 1875	510	168	8	1025
Bowling-alley	A. A. Hamlin	160,900	Mar. 16, 1875	607	198	7	449
Box:							
See Axle-box.	Hat-box.						
Ballot-box.	Hat and fur box.						
Butter-box.	Ice-box.						
Cap-box.	Insect-powder box.						
Carriage-wheel box.	Journal-box.						
Cartridge-box.	Letter-box.						
Cigar-box.	Lubricating-box.						
Coal-box.	Match-box.						
Corset-box.	Miter-box.						
Dinner-box.	Music-box.						
Dredge-box.	Musical-merchandise box						
Dredging-box.	Packing-box.						
Egg-box.	Packing and showing box.						
Egg and fruit box.	Paper box.						
Fare-box.	Pepper-box.						
Farm-box.	Piston-rod-stuffing box.						
Feed-box.	Pump-box.						
Finger-ring box.	Safe-deposit box.						
Fire-box.	Salt and pepper box.						
Fire-alarm box.	Sample-box.						
Fire-alarm-signal box.	Sheep scratch-box.						
Fracture-box.	Sheet-metal box.						
Gas-purifying box.	Shuttle-box.						

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Box—Continued.							
See Spice-box.	Tree-box.						
Stuffing-box.	Valve-box box.						
Telegraphic-signal box.	Wagon-box.						
Tobacco-box.	Watchmaker's box.						
Toy money-box.	Wooden box.						
Transplanting-box.							
Box-dressing machine.	J. W. Bowers	165, 784	July 20, 1875	638	196	8	121
Box-fastening	E. W. Bridge	166, 183	Aug. 3, 1875	3	1	8	199
Box-girdler, Compound.	A. Hay	164, 734	June 22, 1875	853	277	7	1074
Box-lid fastening.	J. L. Stevens	170, 410	Nov. 23, 1875	1073	338	8	899
Box-machine.	J. Kisor	168, 752	Oct. 11, 1875	420	137	8	632
Box-machine	S. K., G. W., and J. A. Paige	163, 237	May 11, 1875	480	156	7	817
Box-machine and box	J. W. and C. M. Hyatt	160, 199	Feb. 23, 1875	917	302	7	331
Box-making machine.	J. W. Bowers	164, 798	June 22, 1875	908	295	7	1081
Box-making machine.	E. James	170, 859	Dec. 7, 1875	180	61	8	975
Box-making machine.	J. Kisor	163, 888	May 25, 1875	1007	320	7	910
Box-nailing machine	J. H. Foster and D. O. Ladd	164, 287	June 8, 1875	423	141	7	999
Box-nailing machinery	A. E. White	161, 650	Apr. 6, 1875	54	20	7	577
Box-stuff, Matching-machine for.	G. T. Riddle	170, 114	Nov. 16, 1875	781	248	8	852
Box-trimming machine.	A. Stearns	167, 583	Sept. 7, 1875	180	56	8	431
Box-trimming machinery	C. Gopp	170, 046	Nov. 16, 1875	714	237	8	843
Boxes, Corner-joint for.	G. S. Stearns	171, 326	Dec. 21, 1875	659	217	8	1053
Boxes, Spring-catch for.	L. Messer	166, 400	Aug. 3, 1875	202	60	8	227
Brace:							
See Body-brace.	Broom-brace.						
Braces, Back and shoulder.	H. R. Allen	170, 655	Dec. 7, 1875	1	1	8	951
Braces, Hip and thigh	H. R. Allen	170, 656	Dec. 7, 1875	2	1	8	951
Bracket	E. P. Presbrey	159, 214	Jan. 26, 1875	843	276	7	162
Bracket	J. N. Thomson	168, 855	Oct. 19, 1875	521	171	8	654
Bracket	J. N. Thomson	169, 929	Nov. 16, 1875	617	191	8	830
Bracket	C. Wills	164, 118	June 8, 1875	269	92	7	978
Bracket-click	J. S. Carrow	169, 775	Nov. 9, 1875	459	145	8	802
Bracket:							
See Curtain-fixture bracket.	Shelf-supporting bracket.						
Curtain-roller bracket.	Shingling-bracket.						
Flower-bracket.	Staging-bracket.						
Flower-pot bracket.	Stove-bracket.						
Lamp-bracket.	Toilet-bracket.						
Scaffolding-bracket.							
Bracket-stand	A. B. Denison	165, 549	July 13, 1875	412	124	8	73
Braid, Sewing straw	W. F. Sprague	162, 426	Apr. 20, 1875	70	253	7	690
Braiding-machine	F. W. Hnppelsberg	160, 198	Feb. 23, 1875	916	301 302	7	330
Brake:							
See Air-brako.	Steam-brake.						
Car-brake.	Steam and air brake.						
Elevator-brako.	Vehicle-brako.						
Friction power-brako.	Wagon-brake.						
Sled-brake.							
Brake-machinery	C. Kahler	160, 262	Feb. 23, 1875	920	303	7	331
Brake-pipe coupling, Vacuum	G. Westinghouse, jr.	166, 489	Aug. 10, 1875	306	92	8	249
Brake-shoe	W. Robinson, jr.	165, 872	July 20, 1875	730	223	8	133
Bread-cutter	M. Walsh and M. Ahearn	171, 072	Dec. 14, 1875	393	130	8	1010
Bread-slicer	W. A. Brown	158, 827	Jan. 19, 1875	460	154	7	103
Bread-cup	T. E. Daniels	166, 686	Aug. 17, 1875	495	151	8	286
Bread-strap slide	T. C. Crenshaw	165, 214	July 6, 1875	70	20	8	18
Breeding attachment.	T. S. Hanchett	161, 408	Mar. 30, 1875	1107	358	7	532
Brewer's mash-machine	J. Schaffhaus	161, 708	Apr. 6, 1875	99	35	7	583
Brewer's use, Washing-machine for	F. Cranume	164, 906	June 29, 1875	1033	333	7	1104
Brewery cooling-floor	A. Brandt	160, 077	Feb. 23, 1875	817	268	7	316
Brewing beer	J. and J. Stuber	159, 716	Feb. 9, 1875	447	151	7	255
Brewing, Process of	E. H. Heigand	163, 827	May 25, 1875	1041	330	7	915
Brick, Air-dried	J. Wurzner	165, 619	July 13, 1875	507	151	8	87
Brick and soap press	J. H. Hearn	164, 097	June 29, 1875	1111	358	7	1114
Brick and tile machine	C. D. Wrightington	163, 432	May 18, 1875	675	216	7	859
Brick compound, Fire	H. M. Thompson	162, 123	Apr. 13, 1875	479	151	7	645
Brick-drier	E. F. Andrews	170, 928	Dec. 7, 1875	241	82	8	982
Brick, &c., drying and burning	A. Morand	168, 765	Oct. 11, 1875	430	141	8	634
Brick-dusting machine	J. N. Kerper	159, 934	Feb. 16, 1875	668	221	7	889
Brick for constructing retorts	M. Foster	167, 831	Sept. 21, 1875	431	137	8	482
Brick for furnaces, Fire	F. Stratton	164, 494	June 15, 1875	630	203	7	1034
Brick for paving, Prepared	B. A. Berryman	162, 885	May 4, 1875	134	45	7	765
Brick-kiln	H. W. Adams, jr.	170, 148	Nov. 23, 1875	898	265	8	867
Brick-kiln	W. Bull	159, 072	Jan. 26, 1875	712	234 235	7	144
Brick-kiln	J. G. Eberhart	165, 663	July 20, 1875	532	162	8	106
Brick-kiln	H. B. Evans and E. G. Kemper	169, 181	Nov. 9, 1875	362	114	8	790
Brick-kiln	W. L. Gregg	159, 091	Jan. 26, 1875	729	241	7	146
Brick-kiln	D. P. Guise	161, 027	Mar. 23, 1875	728	239	7	475
Brick-kiln	N. B. Heafar	162, 818	May 4, 1875	75	24	7	452
Brick-kiln	R. P. Marshall	160, 927	Mar. 10, 1875	631	206	8	1104
Brick-kiln	A. Morand	171, 637	Dec. 28, 1875	970	314	8	901
Brick-kiln	P. E. Smith	162, 425	Apr. 20, 1875	779	251	7	690
Brick-kiln	W. N. Weidner	170, 421	Nov. 23, 1875	1083	341	8	901
Brick-kiln, Fire	W. T. Christy	171, 600	Dec. 28, 1875	929	314	8	1098
Brick-kiln furnace.	W. S. Colwell	166, 749	Aug. 17, 1875	555	170	8	294
Brick-kiln furnace.	W. S. Colwell	167, 826	Sept. 21, 1875	436	135	8	482
Brick-kiln furnace.	W. S. Colwell	168, 617	Oct. 11, 1875	298	97	8	614
Brick-laying machine.	C. Franke	158, 838	Jan. 19, 1875	469	158	7	105
Brick-machine	E. F. Andrews	158, 453	Jan. 5, 1875	86	30, 31	7	21
Brick-machine	G. C. Bovey	159, 634	Feb. 9, 1875	367	122	7	243
Brick-machine	T. H. Burridge	171, 085	Dec. 14, 1875	415	138	8	1013
Brick-machine	J. K. Caldwell	163, 299	May 18, 1875	558	179	7	841

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Brick-machine	J. H. Clark	162,030	Apr. 13, 1875	390	131	7	634
Brick-machine	J. Crabtree and W. H. Melcher	170,526	Nov. 30, 1875	1194	377	8	925
Brick-machine	J. P. Closs	168,724	Oct. 11, 1875	391	128	8	628
Brick-machine	E. Deshler	160,310	Mar. 2, 1875	47	17,18	7	355
Brick-machine	C. N. Fisher	169,428	Nov. 2, 1875	99	31	7	748
Brick-machine	W. E. Gard	158,584	Jan. 12, 1875	222	75	7	55
Brick-machine	W. A. Graham	171,118	Dec. 14, 1875	439	145	7	1016
Brick-machine	I. Gregg, jr.	162,058	Apr. 13, 1875	417	139	7	638
Brick-machine	W. L. Gregg	168,564	Oct. 11, 1875	248	81,82	8	607
Brick-machine	A. J. Hoyt	163,494	May 18, 1875	733	234, 235	7	867
Brick-machine	T. T. Joyce	159,931	Feb. 16, 1875	664	220	7	288
Brick-machine	S. Martin	168,911	Oct. 19, 1875	576	190	8	662
Brick-machine	J. M. Mitchell and L. B. Kennedy	170,879	Dec. 7, 1875	196	68	8	977
Brick-machine	A. Morand	166,544	Aug. 10, 1875	348	107	8	256
Brick-machine	A. Morand	170,761	Dec. 7, 1875	100	31	8	963
Brick-machine	L. Patterson	168,667	Oct. 11, 1875	345	112	8	621
Brick-machine	H. Lea	169,197	Oct. 26, 1875	854	278	8	709
Brick-machine	E. L. Wagner	171,453	Dec. 21, 1875	771	254, 255	8	1068
Brick-machine	W. S. Wallace	161,580	Mar. 30, 1875	1272	409	7	553
Brick-machine	J. Whiteley	162,783	May 4, 1875	45	14	7	753
Brick-machine	C. H. Williams and W. W. Allport	164,243	June 8, 1875	379	129	7	993
Brick-machine	G. R. Wilson and G. Smithson	167,720	Sept. 14, 1875	311	99	8	457
Brick-machine	D. Wood	167,147	Aug. 24, 1875	943	294	8	358
Brick, Manufacture of fire	J. P. Alexander	170,502	Nov. 30, 1875	1174	.....	8	922
Brick-mold	E. C. Singer	164,108	June 8, 1875	261	89	7	977
Brick mold, Angle	J. H. Mathes	160,832	Mar. 16, 1875	553	179	7	442
Brick-mold-sanding machine	D. O. Loy	160,532	Mar. 9, 1875	262	89	7	395
Brick press and former	A. J. Haws	168,743	Oct. 11, 1875	412	134	8	631
Brick pressing or molding apparatus	F. Durand and E. L. Marais	168,730	Oct. 11, 1875	398	130	8	629
Brick, Process in the manufacture of fire	J. P. Alexander	165,049	June 29, 1875	1154	.....	7	1120
Bridge	P. M. Fulton	159,315	Feb. 2, 1875	73	24	7	193
Bridge, Draw	W. M. Black	160,959	Aug. 24, 1875	762	236	8	333
Bridge, Draw	M. Vincent	170,650	Nov. 30, 1875	1313	415	8	940
Bridge, Extensible safety	W. Campbell	163,048	May 11, 1875	309	99	7	795
Bridge fastening, Draw	C. J. Atkins	164,708	June 22, 1875	832	271	7	1071
Bridge, Floating draw	H. F. J. M., and W. B. Rice	162,768	May 4, 1875	29	10	7	751
Bridge gate, Draw	O. Esche	171,003	Dec. 14, 1875	323	111	8	1002
Bridge, Iron	J. B. Eads	162,045	Apr. 13, 1875	407	136	7	636
Bridge, Iron	J. B. Eads	162,357	Apr. 20, 1875	710	231, 232	7	681
Bridge, Iron	E. I. Farnsworth	150,084	Jan. 26, 1875	725	339	7	146
Bridge, Iron truss	F. Schmeemann	171,323	Dec. 21, 1875	656	216	8	1052
Bridge, Lift	A. J. Post	162,576	Apr. 27, 1875	934	300	7	718
Bridge, Metallic arch	J. B. Eads	163,854	June 1, 1875	17	5	7	933
Bridge, Metallic arched truss	J. B. Eads	169,791	Nov. 9, 1875	478	151	8	605
Bridge, Metallic truss	J. Vallyley	166,042	July 27, 1875	903	279	8	169
Bridge, Truss	J. Wall	164,349	June 8, 1875	486	160	7	1007
Bridge, Truss	H. Barton	164,511	June 15, 1875	644	208	7	1036
Bridge, Truss	W. M. Black	166,960	Aug. 24, 1875	763	236	8	333
Bridges, Compound iron column for	A. E. Brown	164,137	June 8, 1875	284	97	7	980
Bridges, Compression member of	A. E. Brown	164,135	June 8, 1875	282	96	7	980
Bridges, Compression member of	A. E. Brown	164,136	June 8, 1875	283	97	7	980
Bridges, Construction of iron truss	C. Kellogg	162,077	Apr. 13, 1875	433	144	7	640
Bridges, Cover for the upper chords of	M. Lassig	168,260	Sept. 28, 1875	841	269	8	548
Bridges, Hydrostatic compensatory apparatus for metallic	W. R. King	166,930	Aug. 24, 1875	734	227	8	329
Bridges, Joint for iron truss	E. S. Shaw	150,046	Jan. 26, 1875	690	228	7	141
Bridges, Metallic post or girder for truss	F. C. Lowthrop	159,194	Jan. 26, 1875	823	271	7	159
Bridges, Splice-plate for metallic truss	W. Katte	166,387	Aug. 3, 1875	190	57	8	225
Bridle	W. S. Mitchell	158,857	Jan. 19, 1875	485	163	7	107
Bridle-bit	J. R. Bellinger, L. M. Bolles, and W. J. Fryer, jr.	169,403	Nov. 2, 1875	77	23	8	745
Bridle-bit	A. Buermann	162,346	Apr. 20, 1875	702	228	7	681
Bridle-bit	P. Casey	159,077	Jan. 26, 1875	719	237	7	145
Bridle-bit	L. Hartson and J. W. Bronson	164,554	June 15, 1875	680	221	7	1041
Bridle-bit	J. P. Hisley	160,772	Mar. 16, 1875	500	162	7	435
Bridle-bit	S. H. Holm	167,248	Aug. 31, 1875	1055	523	8	380
Bridle-bit	L. F. Judd	166,615	Aug. 10, 1875	411	126	8	265
Bridle-bit	H. Lockard	162,081	Apr. 13, 1875	436	145	7	640
Bridle-bit	H. Lockard and T. Agens	165,678	July 20, 1875	545	166	8	107
Bridle-bit	B. Miller	169,718	Nov. 9, 1875	398	125	8	795
Bridle-bit	J. G. Peterson	164,590	June 15, 1875	710	231	7	1046
Bridle-bit	W. A. Pierson	165,863	July 20, 1875	725	221	8	132
Bridle-bit	J. Stanley	171,587	Dec. 28, 1875	917	301	8	1697
Bridle-bit	N. P. Stovons	159,527	Feb. 9, 1875	291	94	7	232
Bridle-bit	J. Thornton	168,857	Oct. 19, 1875	523	171	8	654
Bridle-blinds, Winker-strap for	E. Easton and J. Scott	168,241	Sept. 28, 1875	822	261	8	545
Bridle-winker	P. McFadden	164,318	June 8, 1875	454	150	7	1003
Bridle-winker	J. D. Reid	161,900	Apr. 13, 1875	285	96	7	621
Bristles, Machine for combing dry	W. F. Parks and L. F. Lannay	150,209	Jan. 26, 1875	836	274	7	161
Boiler	G. H. Bliss	161,856	Apr. 13, 1875	242	81	7	615
Boiler	H. J. Chamberlin	162,152	Apr. 20, 1875	520	171	7	658
Boiler	G. D. Dudley	161,601	Apr. 6, 1875	12	5	7	570
Boiler	G. D. Dudley	161,937	Apr. 13, 1875	310	107	7	625
Bronze-alloy	S. Doubleday	160,885	Mar. 16, 1875	595	.....	7	448
Bronze-casting	G. R. Menely	165,353	July 6, 1875	192	57	8	25
Bronze dressing, Leather	E. H. Tennessy	164,678	June 22, 1875	799	.....	7	1066
Bronze-liquid	R. C. Dehmler	161,148	Mar. 23, 1875	843	.....	7	489
Bronzing-machine	W. J. Barber	163,722	May 25, 1875	954	302	7	902
Bronzing-machine	H. Battermann	161,734	Apr. 6, 1875	125	44	7	587
Bronzing-machine	W. H. Forbes and N. Hallock	162,161	Apr. 20, 1875	530	174	7	659
Bronzing-machine	D. A. Wagner	166,829	Aug. 17, 1875	621	193	8	505

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Brooch-pins, Attaching	C. B. Duesbury	166,754	Aug. 17, 1875	559	171	8	295
Broom	R. H. Eastburn	170,071	Nov. 16, 1875	745	235	8	847
Broom	W. S. Hancock	159,409	Feb. 2, 1875	152	51	7	205
Broom	G. R. Swingle	159,861	Feb. 16, 1875	600	199	7	280
Broom-bag	E. D. Bronson	160,567	Mar. 9, 1875	292	99	7	399
Broom-brace	J. B. Sharp	164,490	June 15, 1875	626	202	7	1034
Broom, Corn	A. Maurer	165,601	July 13, 1875	457	139	8	80
Broom-corn-sizing machine	A. Walrath	165,458	July 13, 1875	328	96	8	60
Broom-handle socket	J. H. Pitts	163,245	May 11, 1875	488	159	7	818
Broom-hanger	J. Cain	162,622	Apr. 27, 1875	971	312	7	723
Broom-head	E. J. Merick	159,954	Feb. 16, 1875	685	227	7	291
Broom-head, Portable	E. J. Merick	162,490	Apr. 27, 1875	862	277	7	709
Broom-holder	G. W. Hunter	164,088	June 8, 1875	243	83	7	975
Broom holding and displaying device	J. W. Yewell	164,358	June 8, 1875	495	163	7	1008
Broom machine, Corn	J. D. Blood and G. Topping	166,065	July 27, 1875	924	286	8	172
Broom-machine mandrel	H. Anderson	169,330	Nov. 2, 1875	4	1	8	735
Broom-making machinery	W. R. Allen	167,051	Aug. 24, 1875	850	264	8	345
Broom-press	A. Boyer	162,997	May 11, 1875	261	84	7	789
Broom-winding machine	A. Walrath and E. D. Bronson	168,814	Oct. 11, 1875	473	154	8	639
Brush	W. A. Albaugh and J. Toole	165,195	July 6, 1875	53	15	8	16
Brush	J. Earnshaw	165,719	July 20, 1875	582	178	8	113
Brush	M. E. Hawkins	166,607	Aug. 10, 1875	405	125	8	265
Brush	A. A. Hussey	158,943	Jan. 19, 1875	569	189	7	117
Brush	O. Jenness	165,236	July 6, 1875	87	26	8	21
Brush	M. Leiner	166,789	Aug. 17, 1875	589	181	8	300
Brush	W. A. McGraw	160,933	Mar. 16, 1875	637	208	7	453
Brush	S. A. Miles	166,542	Aug. 10, 1875	347	107	8	256
Brush and mop holder	J. O. Montigiani	158,508	Jan. 5, 1875	140	47	7	28
Brush and mop holding device	R. C. May	161,805	Apr. 6, 1875	184	62	7	595
Brush attachment, Fly	G. S. Beckman	160,141	Feb. 23, 1875	869	287	7	324
Brush, Automatic fly	S. L. Long	162,482	Apr. 27, 1875	856	275	7	708
Brush-back	H. Holmes	162,749	May 4, 1875	13	5	7	718
Brush-binder	J. Blair	165,202	July 6, 1875	60	17	8	17
Brush-block-punching machine	H. Holmes	162,750	May 4, 1875	13	5	7	748
Brush, Dust	H. B. Conant	166,261	Aug. 3, 1875	69	22	8	209
Brush, Dust	L. A. Stall	171,488	Dec. 28, 1875	824	271	8	1084
Brush, Feather dusting	A. D. Griswold	158,412	Jan. 5, 1875	54	19	7	16
Brush, Fountain	F. McDaniel	164,853	June 22, 1875	961	311	7	1087
Brush, Fountain	R. S. Van Zandt	164,498	June 15, 1875	633	204	7	1035
Brush, Hair	C. E. Teets	168,428	Oct. 5, 1875	96	33	8	579
Brush handle, Paint	G. W. Schermerhorn	168,187	Sept. 28, 1875	777	347	8	539
Brush-handles, Device for attaching	H. P. Hood and G. W. Joseph	165,582	July 13, 1875	440	133	8	78
Brush-handles, Machine for forming	W. Wendell	170,320	Nov. 23, 1875	992	311	8	888
Brush-handles, Securing	J. L. Whiting	170,500	Nov. 30, 1875	1172	370	8	992
Brush-holder	I. Heller	171,128	Dec. 14, 1875	451	148	8	1018
Brush-holder	W. P. Shank	163,536	May 18, 1875	778	247	7	872
Brush, Paint	C. R. Baker	168,363	Oct. 5, 1875	40	15	8	570
Brush, Paint	G. P. Hunt	169,906	Nov. 16, 1875	596	185	8	827
Brush, Paint	G. A. Schuster and J. L. Driscoll	166,723	Aug. 17, 1875	531	163	8	291
Brush, Rotary hair	W. G. Nutsford and W. Glasgow	166,027	July 27, 1875	890	275	8	167
Brush, Scrubbing	M. Biglin	158,459	Jan. 5, 1875	94	32	7	22
Brush, Shoe	I. and J. A. Joseph	160,104	Feb. 23, 1875	838	276	7	319
Brush, Shoe	A. McElrath	160,450	Mar. 2, 1875	176	61	7	373
Brush, Tooth	S. J., and A. Bidwell	163,043	May 11, 1875	305	98	7	794
Brush, Tooth	C. Bulkeley	152,673	Jan. 12, 1875	301	102	7	66
Brush, Tooth	S. Stevens	160,552	Mar. 9, 1875	279	95	7	398
Brush, Tooth	J. Wayne	164,353	June 8, 1875	491	161	8	1007
Brush, Water	H. T. Helmbold	168,093	Sept. 28, 1875	688	217	8	527
Brushes, Mold for arranging bristles for	C. R. Baker	164,412	June 15, 1875	559	182	7	1025
Buck-board	C. Neligh, sr	171,412	Dec. 21, 1875	739	243	8	1004
Bucket, Dinner	F. E. Heinig	163,634	May 25, 1875	898	285	7	695
Bucket-car	J. D. Field	160,818	Mar. 16, 1875	542	176	7	440
Bucket, Earthen	W. F. Towns	160,486	Mar. 2, 1875	208	71	7	372
Bucket, Sheet-metal	C. Hoff	160,674	Mar. 9, 1875	382	129	7	413
Buckle	J. Adair	158,350	Jan. 5, 1875	1	1	7	9
Buckle	W. E. Aston	171,543	Dec. 28, 1875	877	287	8	1091
Buckle	W. C. Downs	168,238	Sept. 28, 1875	820	261	8	545
Buckle	A. Dyke	170,831	Dec. 7, 1875	157	52	8	971
Buckle	M. Hester	163,195	May 11, 1875	446	144	7	812
Buckle	W. Himelrich and J. Smith	163,070	May 11, 1875	330	107	7	798
Buckle	J. Hudson	160,912	Mar. 16, 1875	615	201	7	450
Buckle	W. Lesser	165,422	July 13, 1875	291	86	8	55
Buckle	J. Lines	163,500	May 18, 1875	744	237	7	867
Buckle	L. Looser	166,889	Aug. 17, 1875	677	209	8	312
Buckle	S. Porter	170,109	Nov. 16, 1875	777	246	8	851
Buckle	D. L. Smith	167,947	Sept. 21, 1875	525	168	8	497
Buckle	S. Wales	167,282	Aug. 31, 1875	1080	337	8	384
Buckle	P. Whitney	170,037	Nov. 16, 1875	705	223	8	842
Buckle	W. H. Williamson	165,905	July 20, 1875	762	233	8	137
Buckle	T. L. Wiswell	159,009	Jan. 19, 1875	633	210	7	126
Buckle	B. C. Young	162,211	Apr. 20, 1875	576	189	7	665
Buckle, Harness	I. L. Landis	165,936	July 27, 1875	807	247	8	155
Buckle, Harness	T. J. Magruder	167,917	Sept. 21, 1875	503	160	8	493
Buckle, Harness	J. C. Smither	169,200	Oct. 26, 1875	856	279	8	709
Buckle, Lever	S. Wales	167,041	Aug. 24, 1875	838	261	8	343
Buckle-loop	F. A. Heider	167,014	Aug. 24, 1875	819	254	8	341
Buckle-making machine	H. C. Nickox	167,245	Aug. 31, 1875	1053	327	8	380
Buckle or fastener	S. T. Lockwood and J. M. Ware	163,596	May 25, 1875	848	268	7	888
Buckle, Reversible lock	L. Lewine	170,004	Nov. 16, 1875	678	213	8	838
Buckle, Suspension	E. J. Fraser	158,367	Jan. 5, 1875	15	5	7	11
Buckle, Trace	M. T. Burke	169,519	Nov. 2, 1875	177	59	8	759
Buckle, Trace	A. G. Dodds	165,551	July 13, 1875	414	124	8	73
Buckle, Trace	M. T. Hayes	165,230	July 6, 1875	81	24	8	20
Buckle, Trace	J. P. Hisley	160,909	Mar. 16, 1875	613	200	7	450
Buckle, Trace	B. F. Winey	164,501	June 15, 1875	636	206	7	1035

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Buckle, Tug	J. Weston	159, 534	Feb. 9, 1875	296	95	7	232
Butler-stem	P. W. Pratt	170, 190	Nov. 23, 1875	877	274	7	872
Bug destroyer, Chinch	J. Cochran, jr	161, 099	Mar. 23, 1875	798	262	7	484
Bug destroyer, Potato	I. W. Griscom	171, 011	Dec. 14, 1875	339	113	8	1003
Bug-destroying machine, Potato	T. Job	164, 376	June 15, 1875	523	172	7	1021
Bug gatherer, Chinch	E. H. Marsh	160, 606	Mar. 9, 1875	326	110	7	404
Bug trap, Bed	J. L. Hawkins	161, 032	Mar. 23, 1875	731	241	7	475
Bug trap, Bed	E. G. Watkins	168, 306	Sept. 28, 1875	880	281	8	554
Bugs, Implement for destroying chinch	H. F. Rice	166, 720	Aug. 17, 1875	528	162	8	290
Bugs, Machine for catching Colorado	J. Ney, jr	169, 656	Nov. 9, 1875	335	106	8	786
Bugs, Machine for catching potato	C. E. Mathewson and H. T. Mills	165, 243	July 6, 1875	94	28	8	22
Bugs on Plants, Device for destroying	R. M. Clark	166, 260	Aug. 3, 1875	69	21	8	209
Buggy-body, Swinging	H. M. Carpenter and E. Grimshaw	163, 454	May 18, 1875	695	222	7	862
Buggy-top	C. Miller	162, 089	Apr. 13, 1875	442	147	7	641
Building-block	B. A. Berryman	170, 331	Nov. 23, 1875	1003	314	8	890
Building materials, Machine for elevating	G. H. Kammacher	168, 749	Oct. 11, 1875	417	136	8	631
Building purposes, Application of marble to	P. J. Hardy	163, 990	June 1, 1875	127	43	7	948
Building purposes, Application of stone to	P. J. Hardy	163, 992	June 1, 1875	128	44, 45	7	948
Building purposes, Composition for	A. T. Lyon	164, 850	June 22, 1875	959	.....	7	1087
Buildings, Application of stone to walls of	P. J. Hardy	163, 989	June 1, 1875	126	43	7	948
Buildings, Bird-guard for	H. T. Blodgett	168, 446	Oct. 5, 1875	111	38	8	581
Buildings, Construction of fire-proof	T. Sharp	169, 852	Nov. 9, 1875	535	167	8	811
Buildings, Covering for walls of	P. J. Hardy	163, 991	June 1, 1875	128	43	7	948
Buildings, Metallic frame for	E. Gruwe	169, 101	Oct. 26, 1875	773	251	8	696
Buildings, Movable front for	J. Murphy	159, 203	Jan. 26, 1875	831	273	7	160
Buildings, Ventilating	L. Satterlee	169, 300	Oct. 26, 1875	952	308	8	721
Bullet-patching machine	H. Borchardt	159, 748	Feb. 16, 1875	496	166	7	266
Bullet-swaging device	W. D. Hillis	163, 656	May 25, 1875	899	285	7	895
Bull's eye	W. W. Wilcox	162, 445	Apr. 20, 1875	798	260	7	692
Bung and bush	W. Johnson	165, 001	June 29, 1875	1114	359	7	1114
Bung and vent	H. B. Cornish	169, 150	Oct. 26, 1875	817	265	8	703
Bung, Barrel	C. F. Norris and P. J. Hickey	165, 360	July 6, 1875	198	59	8	36
Bung, Barrel	W. E. White	167, 419	Sept. 7, 1875	37	11	8	411
Bung, Barrel and cask	F. W. Kuenne	166, 280	Aug. 3, 1875	90	27	8	212
Bung-cutting machine	J. Bachelder	164, 251	June 8, 1875	389	132	7	994
Bung-turning machine	E. Gunther	171, 511	Dec. 28, 1875	849	{ 277 278 }	8	1087
Bung-turning machine	E. Gunther	171, 512	Dec. 28, 1875	851	278	8	1087
Bungs in casks, &c., Fastening for	J. Ott and J. Woller	171, 161	Dec. 14, 1875	481	157	8	1022
Bureau and wash-stand, Knock-down	W. S. Moses	165, 494	July 13, 1875	362	107	8	65
Bureaus, &c., Looking-glass attachment for	J. A. Knight	158, 422	Jan. 5, 1875	61	21	7	17
Burglar-alarm	J. B. Allen	167, 725	Sept. 14, 1875	315	{ 100 101 }	8	458
Burglar-alarm	J. Andrews	163, 960	June 1, 1875	100	34	7	945
Burglar-alarm	C. and J. Bohanon	169, 137	Oct. 26, 1875	806	261	8	701
Burglar-alarm	A. A. Budd	170, 705	Dec. 7, 1875	48	14	8	957
Burglar-alarm	L. F. Drake	169, 788	Nov. 9, 1875	476	150	8	804
Burglar-alarm	A. Gregory	168, 391	Oct. 5, 1875	64	23	8	574
Burglar-alarm	E. Hand	166, 696	Aug. 17, 1875	504	154	8	287
Burglar-alarm	F. H. Hunter	163, 779	May 25, 1875	1000	317	7	909
Burglar-alarm	L. M. Johnson	162, 235	Apr. 20, 1875	599	196	7	668
Burglar-alarm	W. W. Kennoch and E. T. and J. F. Gilliland	162, 239	Apr. 20, 1875	603	197	7	668
Burglar-alarm	M. E. Lasher	160, 918	Mar. 16, 1875	621	203	7	451
Burglar-alarm	C. O. Malgren	169, 821	Nov. 9, 1875	506	159	8	808
Burglar-alarm	W. A. Parker	167, 559	Sept. 7, 1875	158	49	8	428
Burglar-alarm	J. Pennepacker	168, 777	Oct. 11, 1875	440	143	8	635
Burglar-alarm	T. Powell	163, 524	May 18, 1875	770	244	7	871
Burglar-alarm	S. Seavright	165, 883	July 20, 1875	742	227	8	135
Burglar-alarm	H. A. Sherman	170, 905	Dec. 7, 1875	220	76	8	980
Burglar-alarm	A. P. Silva, R. B. Merriam, and E. Sedgwick	165, 691	July 20, 1875	556	170	8	109
Burglar-alarm	A. C. Taylor	158, 873	Jan. 19, 1875	499	168	7	108
Burglar-alarm	J. A. Weed	164, 888	June 23, 1875	998	322	7	1092
Burglar-alarm	J. A. Weed	169, 214	Oct. 26, 1875	866	282	8	710
Burglar-alarm	C. H. Williams	165, 967	July 27, 1875	834	257	8	159
Burglar-alarm and annunciator, Electric	J. T. Bedford	169, 077	Oct. 26, 1875	745	{ 243 244 }	8	693
Burglar-alarm and door-fastener, Combined	G. Hancock	170, 555	Nov. 30, 1875	1223	385	8	928
Burglar-alarm and door-fastener, Combined	W. S. Watkins	168, 200	Sept. 28, 1875	790	251	8	541
Burglar-alarm and door-fastener, Combined	J. J. Woolsey	169, 290	Oct. 26, 1875	878	285	8	712
Burglar-alarm and indicator, Combined	J. Thorman	171, 065	Dec. 14, 1875	358	128	8	1009
Burglar-alarm, Circuit-closer for electrical	L. Finch	168, 470	Oct. 5, 1875	133	45	8	584
Burglar-alarm, Electric	H. E. Walter	159, 369	Feb. 2, 1875	115	39	7	200
Burglar-alarm, Electro-magnetic	R. J. Brittain	158, 897	Jan. 19, 1875	525	176	7	112
Burial-case	D. W. Hunt	167, 451	Sept. 7, 1875	63	19	8	415
Burial-case	G. Van Winkle	158, 654	Jan. 12, 1875	287	96	7	64
Burial-case, Glass	S. H. Brooks	168, 606	Oct. 11, 1875	288	94	8	612
Burial-case, Metallic	H. M. Gray	169, 436	Nov. 2, 1875	106	33	8	719
Burial-casket	W. G. sr., and W. G. Algeo, jr.	159, 059	Jan. 26, 1875	702	231	7	142
Burial-casket	O. M. Allen	161, 852	Apr. 13, 1875	230	80	7	615
Burial-casket case	J. S. Waterman	164, 619	June 15, 1875	731	240	7	1049
Burial-caskets, Composition for coating	C. H. Mulligan	160, 794	Mar. 16, 1875	514	26	7	579
Burial-vault	L. K. Dutton	161, 673	Apr. 6, 1875	74	33	8	702
Burner, Aero-gas	J. H. Knights	169, 711	Nov. 9, 1875	392	122	8	241
Burner, Argand	J. A. Bowler	159, 635	Feb. 9, 1875	369	122	8	666
Burner, Argand gas	A. Voltair and C. E. Ball	168, 946	Oct. 19, 1875	603	200	8	235
Burner, Argand gas	C. E. Ball and S. L. Wiegand	159, 557	Feb. 9, 1875	312	101	7	235
Burner, Argand gas	T. Clough	158, 832	Jan. 19, 1875	464	156	7	104
Burner, Argand gas	J. B. Fuller	165, 321	July 6, 1875	164	50	8	31
Burner, Argand gas	J. B. Fuller	166, 926	Aug. 24, 1875	730	236	8	328
Burner attachment, Lamp and gas	T. V. Keanu	161, 517	Mar. 30, 1875	1213	390	7	545
Burner, Coal-tar	H. A. Brooke and W. F. Wright	167, 873	Sept. 21, 1875	468	{ 148 149 }	8	488

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Burner for electrical gas-lighting.	S. Gardiner, jr	165, 090	June 29, 1875	1189	383	7	1125
Burner for heating purposes, Gas.	A. Ehrol	161, 939	Apr. 13, 1875	321	108	7	625
Burner for heating purposes, Gas.	W. R. Haaks	165, 095	June 29, 1875	1198	385	7	1126
Burner for lanterns, Vapor.	F. A. Brown and A. H. Watkins.	163, 634	May 25, 1875	882	278	7	893
Burner, Gas	C. E. Ball	161, 091	Mar. 23, 1875	792	259	7	484
Burner, Gas	A. G. Bayles	161, 735	Apr. 6, 1875	127	44	7	587
Burner, Gas	E. Blackman	168, 554	Oct. 11, 1875	236	78	8	605
Burner, Gas	I. Cook	164, 577	June 15, 1875	637	212	7	1038
Burner, Gas	I. Cook	164, 528	June 15, 1875	658	213	7	1038
Burner, Gas	E. Evans	160, 758	Mar. 16, 1875	466	158	7	433
Burner, Gas	A. Fulton	158, 582	Jan. 12, 1875	219	74	7	55
Burner, Gas	W. Gariand	163, 007	May 11, 1875	270	87	7	790
Burner, Gas	T. Haley	161, 028	Mar. 23, 1875	728	240	7	475
Burner, Gas	W. J. Herriott	163, 929	June 1, 1875	76	25	7	941
Burner, Gas	P. F. Jouté	166, 531	Aug. 10, 1875	336	103	8	255
Burner, Gas	J. W. Lyon	161, 531	Mar. 30, 1875	1225	394	7	547
Burner, Gas	F. H. McGeorge	163, 600	May 25, 1875	853	269	7	889
Burner, Gas	C. D. Payne	163, 402	May 18, 1875	653	208	7	876
Burner, Gas	A. M. Silber	170, 407	Nov. 23, 1875	1071	337	8	899
Burner, Gas	G. W. Tinsley	163, 118	May 11, 1875	371	121	7	803
Burner, Gas	T. Trudeau	167, 713	Sept. 14, 1875	305	97	8	456
Burner, Gas-generating.	R. F. Clayton	161, 327	Mar. 30, 1875	1028	334	7	521
Burner, Gasoline	J. C. Riley	168, 783	Oct. 11, 1875	447	146	8	636
Burner, Globe	E. Evans	171, 112	Dec. 14, 1875	429	143	8	1015
Burner, Laboratory gas	C. D. Cheney	161, 666	Apr. 6, 1875	69	25	7	579
Burner, Lamp	L. J. Atwood	162, 004	Apr. 13, 1875	371	124	7	632
Burner, Lamp	L. J. Atwood	163, 439	May 18, 1875	681	217	7	860
Burner, Lamp	A. Barker	166, 493	Aug. 10, 1875	310	93	8	250
Burner, Lamp	J. Curzon	160, 577	Mar. 9, 1875	299	101	7	400
Burner, Lamp	J. H. Fouch	169, 161	Oct. 26, 1875	827	268	8	704
Burner, Lamp	J. Gleason	158, 700	Jan. 12, 1875	324	110	7	69
Burner, Lamp	A. Kimber	164, 006	June 1, 1875	139	49	7	950
Burner, Lamp	W. McKinley	160, 451	Mar. 2, 1875	176	61	7	374
Burner, Lamp	H. G. Moebring	159, 701	Feb. 9, 1875	434	145	7	252
Burner, Lamp	H. G. Moebring	163, 508	May 18, 1875	751	239	7	868
Burner, Lamp	T. D. Parsons	164, 932	June 29, 1875	1059	341	7	1107
Burner, Lamp	J. A. Pease	167, 017	Aug. 24, 1875	821	255	8	341
Burner, Lamp	J. Pigot	162, 303	Apr. 20, 1875	659	215	7	676
Burner, Lamp	G. Stobwasser	168, 295	Sept. 28, 1875	870	279	8	552
Burner, Lamp	F. A. Taber	171, 638	Dec. 28, 1875	963	318	8	1105
Burner, Lamp	P. S. Vanderhill	167, 714	Sept. 14, 1875	306	97	8	457
Burner, Lamp	A. C. Vaughan	159, 482	Feb. 2, 1875	229	74	7	216
Burner, Lamp	S. R. Wiemot	166, 670	Aug. 10, 1875	461	141	8	272
Burner lens-attachment, Gas	M. C. Meigs	159, 199	Jan. 26, 1875	827	272	7	160
Burner lens-attachment, Gas	M. C. Meigs	169, 366	Nov. 2, 1875	46	14	8	741
Burner, Liquid-fuel.	G. H. Perkins	169, 372	Nov. 2, 1875	51	15	8	741
Burner, Rollse	I. O. Smith and P. Walker	166, 650	Aug. 10, 1875	443	137	8	270
Burner, Self-regulating gas	D. B. McMillan	159, 108	Jan. 26, 1875	746	246	7	148
Burner sheet-metal attachment, Gas.	M. B. Dyott	168, 463	Oct. 5, 1875	127	44	8	583
Burner spring Lamp.	W. N. Weeden	164, 622	June 15, 1875	736	241	7	1050
Burner, Vapor	C. E. Ball	167, 150	Aug. 31, 1875	969	301	8	369
Burner, Vapor	J. Benson	162, 016	Apr. 13, 1875	380	127	7	633
Burner, Vapor	J. Benson	165, 468	July 13, 1875	341	100	8	62
Burner, Vapor	A. F. Gray	160, 669	Mar. 9, 1875	379	128	7	412
Burner, Vapor	S. S. Gray	160, 670	Mar. 9, 1875	379	128	7	412
Burner, Vapor	S. S. Gray	161, 336	Mar. 30, 1875	1037	337	7	523
Burner, Vapor	J. Q. Jaynes	162, 676	Apr. 13, 1875	432	144	7	610
Burner, Vapor	C. H. Prentiss	161, 635	Apr. 6, 1875	41	15	7	575
Burner, Vapor	C. H. Prentiss	167, 471	Sept. 7, 1875	79	25	8	417
Burner, Vapor	J. Stever	164, 230	June 8, 1875	369	126	7	992
Burner, Waste-gas	P. Neff	160, 785	Mar. 16, 1875	514	166	7	436
Burnisher-holder	A. Swallow	167, 953	Sept. 21, 1875	530	169	8	498
Bustle	R. Biering	160, 048	Feb. 23, 1875	791	261	7	313
Bustle	R. Biering	168, 130	Sept. 28, 1875	726	228	8	531
Bustle	M. K. Bortree	164, 515	June 15, 1875	647	209	7	1036
Bustle	A. Carter	170, 710	Dec. 7, 1875	52	16	8	957
Bustle	L. Conigisky	159, 799	Feb. 16, 1875	546	187	7	272
Bustle	C. O. Crosby	165, 069	June 29, 1875	1173	377	7	1122
Bustle	A. W. Thomas	164, 339	June 8, 1875	472	157	7	1005
Bustle	A. W. Thomas	164, 340	June 8, 1875	473	157	7	1005
Butter, Apparatus for tempering.	J. C. Rorick	166, 813	Aug. 17, 1875	610	189	8	303
Butter-boxes, Preparing veneers for	S. F. Spaulding	164, 945	June 29, 1875	1069	327	7	1108
Butter-carrier	B. F. Roberts	170, 770	Dec. 7, 1875	106	34	8	964
Butter-coloring compound	J. C. Rorick	163, 610	May 25, 1875	862	278	7	890
Butter, Method of making a substitute for.	W. E. Andrew	166, 955	Aug. 24, 1875	759	241	8	332
Butter-package	H. P. Adams	170, 501	Nov. 30, 1875	1173	370	8	922
Butter-package	H. W. Campbell	163, 573	May 25, 1875	824	261	7	885
Butter-package	A. J. Dibble	170, 242	Nov. 23, 1875	925	288	8	878
Butter-package	A. Robinson	169, 292	Oct. 26, 1875	944	306	8	720
Butter-package	H. R. Scott and D. W. Granger	162, 581	Apr. 27, 1875	938	301	7	719
Butter-package	C. B. Sheldon	166, 310	Aug. 3, 1875	115	35	8	215
Butter-package	J. C. Tilton	163, 899	June 1, 1875	52	17	7	937
Butter-package, Metallic	M. C. Roberts and K. D. Briggs	165, 256	July 6, 1875	105	31	8	23
Butter-pail	J. F. Crawford	165, 796	July 20, 1875	653	200	8	133
Butter-pail	C. B. Sheldon	161, 906	Apr. 13, 1875	290	98	7	622
Butter, Preserving	F. H. L. C. Sacc	171, 532	Dec. 28, 1875	867	278	8	1059
Butter-preserving firkin	J. Wilhelm	165, 288	July 6, 1875	131	40	8	29
Butter-print	R. S. Williams	161, 464	Mar. 30, 1875	1158	373	7	538
Butter-prints, Package for	A. Robinson	159, 845	Feb. 16, 1875	583	194	7	277
Butter-tub	J. G. Koehler	158, 592	Jan. 12, 1875	230	77	7	56
Butter-tub fastening	H. C. Carter	164, 717	June 22, 1875	840	273	7	1072
Butter-worker	F. B. Aldrich	160, 293	Mar. 2, 1875	33	13	7	353
Butter-worker	P. Embree	167, 084	Aug. 24, 1875	885	276	8	350

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Butter-worker.....	J. L. Englehart.....	160,089	Feb. 23, 1875	827	272	7	317
Butter-worker.....	M. Hutchinson.....	165,834	July 20, 1875	697	213	6	128
Butter-worker.....	W. Johnson.....	161,043	Mar. 23, 1875	741	244	7	477
Butter-worker.....	J. Macnoe.....	162,758	May 4, 1875	20	7	7	749
Butter-worker.....	A. H. Reid.....	161,276	Mar. 23, 1875	966	315	7	505
Butter-worker.....	P. Rooney.....	168,418	Oct. 5, 1875	89	31	8	577
Butter-worker.....	J. C. Rorick.....	159,358	Feb. 2, 1875	107	37	7	199
Butter-worker.....	W. Ryder.....	163,533	May 18, 1875	776	246	7	872
Butter-worker.....	D. Sager.....	160,548	Mar. 9, 1875	275	94	7	397
Butter-worker.....	P. Shaw.....	167,475	Sept. 7, 1875	82	26	8	418
Butter-worker.....	P. Shaw.....	167,476	Sept. 7, 1875	83	26	8	418
Butter-worker.....	J. Thompson.....	159,000	Jan. 19, 1875	626	207	7	125
Butter-worker.....	B. Yaw and R. H. Mitchell.....	158,820	Jan. 19, 1875	452	150	7	102
Button.....	C. H. Goodwin.....	166,091	July 27, 1875	954	293	8	176
Button.....	W. Hornich.....	166,277	Aug. 3, 1875	83	26	8	211
Button-fastening.....	J. H. Harrington.....	168,638	Oct. 11, 1875	322	104	8	617
Button-fastening.....	J. H. Keating.....	160,332	Mar. 2, 1875	68	24	7	358
Button-fastening.....	P. Sues.....	165,518	July 13, 1875	383	114	8	69
Button, &c., fastening.....	F. E. Williams, H. E. Cook, and J. A. Kline.....	170,144	Nov. 16, 1875	812	256	8	856
Button-feeding device.....	Z. Golinias.....	169,433	Nov. 3, 1875	103	32	8	749
Button for wearing-apparel.....	H. C. Griggs.....	166,097	July 27, 1875	960	295	8	177
Button-hole casing.....	V. V. Balmforth.....	160,504	Mar. 9, 1875	237	81	7	391
Button-hole cutter.....	D. A. Lehman.....	166,208	Aug. 3, 1875	23	8	8	202
Button-hole cutter.....	J. A. Sidlo.....	168,794	Oct. 11, 1875	455	148	8	657
Button-hole-guide clamp.....	R. Thompson.....	159,288	Feb. 2, 1875	41	15	7	190
Button-holes in cloth, leather, &c., Machine for cutting.....	J. D. Westgate.....	163,904	June 1, 1875	56	19	7	938
Button-holes, Machine for forming imitation.....	J. Kenny.....	168,161	Sept. 28, 1875	756	239	8	536
Button-hook.....	A. Rasines and T. E. D. Power.....	167,937	Sept. 21, 1875	517	165	8	496
Button, Shirt and collar.....	J. B. Carter.....	158,624	Jan. 12, 1875	256	87	7	00
Button, Sleeve.....	G. A. Allen.....	171,254	Dec. 21, 1875	597	196	8	1045
Button, Sleeve.....	H. N. Mason and O. P. Richardson.....	159,106	Jan. 26, 1875	745	245	7	148
Button, Sleeve.....	J. G. Missimer.....	166,543	Aug. 10, 1875	348	107	8	256
Button, &c., Sleeve.....	J. B. Ulmar.....	164,112	June 8, 1875	264	90	7	978
Buttons, Manufacture of.....	R. H. Isbell.....	165,448	July 13, 1875	318	93	8	59
Buttons, Manufacture of glass.....	I. and G. Lehmann.....	171,394	Dec. 21, 1875	724	238	8	1061
Buttons, Mechanism for ornamenting.....	R. H. Isbell.....	169,268	Oct. 26, 1875	921	299	8	717
Buttons, Mode of attaching.....	S. W. Shorey.....	163,270	May 11, 1875	513	167	7	821
Buttons, &c., Setting instrument for attaching.....	D. Heaton.....	160,056	Feb. 23, 1875	799	263	7	314
Buttons, studs, &c., Setting instrument for attaching.....	D. Heaton.....	168,994	Oct. 19, 1875	648	214	8	672
Buttons to wearing-apparel, Metallic fastening for attaching.....	D. Heaton.....	168,331	Oct. 5, 1875	14	5	8	566
Buttons to wearing-apparel, Setting-instrument for attaching.....	D. Heaton.....	168,016	Sept. 21, 1875	585	188	8	506
C.							
Cabinet, Business.....	D. L. Ransom and N. R. Pengh.....	171,530	Dec. 28, 1875	866	283	8	1089
Cabinet, Kitchen.....	G. Holt.....	168,397	Oct. 5, 1875	70	25	8	575
Cabinet, Letter-file.....	W. A. Amberg.....	171,495	Dec. 28, 1875	833	273 274	8	1085
Cable and conductor, Electric.....	G. W. F. Hoogeveen.....	170,266	Nov. 23, 1875	945	295	8	881
Cable, Chain.....	C. A. Chamberlin.....	165,541	July 13, 1875	406	121	8	72
Cable-stopper.....	D. G. Thompson.....	160,363	Mar. 2, 1875	93	34	7	302
Caissons, Air-shaft for pneumatic.....	W. S. Pope.....	170,588	Nov. 30, 1875	1259	346	8	993
Cake-cutter.....	J. H. Winslow.....	164,667	June 22, 1875	790	257	7	1065
Cake-pan.....	F. G. High.....	169,264	Oct. 26, 1875	918	298	8	717
Cakes and biscuits, Steam-washer for.....	D. Carrick.....	168,138	Sept. 28, 1875	734	232	8	533
Calcimine.....	M. B. Church.....	161,591	Apr. 6, 1875	4	7	7	569
Calcining-kiln.....	W. J. Taylor.....	166,159	July 27, 1875	1018	314	8	185
Calcium light, Apparatus for producing.....	N. H. Edgerton.....	169,244	Oct. 26, 1875	897	291	8	714
Calculating-machine.....	F. S. Baldwin.....	159,244	Feb. 2, 1875	1	1	7	185
Calculating-machine.....	E. D. Barbour.....	168,080	Sept. 28, 1875	672	214	8	525
Calculator.....	A. C. Wellman.....	165,964	July 27, 1875	831	255 256	8	159
Calculator, Mechanical.....	H. B. Martin.....	158,853	Jan. 19, 1875	481	161 162	7	106
Calendar.....	J. J. Caulon.....	160,391	Mar. 2, 1875	117	43	7	366
Calendar.....	J. Kellar.....	171,227	Dec. 21, 1875	572	188	8	1041
Calendar.....	D. J. Miller.....	166,796	Aug. 17, 1875	597	184	8	301
Calendar.....	C. Z. O'Neill.....	168,916	Oct. 19, 1875	580	191	8	663
Calendar.....	C. Z. O'Neill.....	171,308	Dec. 21, 1875	645	211	8	1051
Calendar.....	J. F. Tapley.....	167,629	Sept. 14, 1875	234	73	8	446
Calendar.....	T. J. Thorpe.....	165,769	July 20, 1875	624	192	8	119
Calendering-machine.....	W. F. and C. P. Edwards.....	162,635	Apr. 27, 1875	981	315	7	724
Caliber-gage.....	G. B. Weld.....	165,193	July 6, 1875	52	15	8	16
Calipers, dividers, &c., Combined.....	C. Caton.....	159,246	Feb. 2, 1875	6	2	7	185
Caloric-engine.....	C. Muskoo.....	170,447	Nov. 30, 1875	1122	353	8	915
Calves, &c., Anti-sucking bit for.....	J. H. Bailey.....	169,670	Nov. 9, 1875	449	110	8	788
Calves from sucking, Instrument to prevent.....	S. Tilton.....	164,665	June 22, 1875	788	258	7	1065
Calves, Weaner for.....	W. Sutton.....	158,814	Jan. 19, 1875	448	149	7	102
Cam-cylinder.....	M. J. Carney.....	163,738	May 25, 1875	969	306	7	904
Cams, Machine for turning pattern.....	W. Tucker.....	160,366	Mar. 2, 1875	95	35	7	362
Camera; See Photographic camera.							
Camera.....	E. B. Barker.....	170,465	Nov. 30, 1875	1139	359	8	917
Camera.....	S. L. Bergstresser.....	159,536	Feb. 9, 1875	297	96	7	232
Camera attachment.....	G. W. Parker.....	159,443	Feb. 9, 1875	183	62	7	210
Camera-obscura.....	T. A. Kollert.....	170,271	Nov. 23, 1875	949	297	8	882
Camera-obscura.....	G. Raphael.....	167,271	Aug. 31, 1875	1072	334	8	383
Camera-screen.....	J. F. Ryder.....	170,453	Nov. 30, 1875	1127	355	8	915
Camera-stand.....	F. M. Spencer.....	165,038	June 29, 1875	1144	369	7	1118
Camnes, Device for manufacturing.....	C. C. Tracy.....	165,386	July 6, 1875	231	69, 70	8	40
Camphor, Permanent flour of.....	I. M. Phelps.....	164,478	June 15, 1875	617	.....	7	1032

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Can:							
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Metallic can.	Sheet-metal can.						
Milk-can.	Traveling-can.						
Oil-can.							
Can .....	F. D. Brodhead .....	162, 618	Apr. 27, 1875	969	311	7	732
Can .....	T. J. M. Jewell .....	162, 478	Apr. 27, 1875	851	273	7	707
Can-opener .....	J. H. Murphy .....	159, 767	Feb. 16, 1875	513	171	7	268
Can-opener .....	W. D. Skidmore .....	167, 577	Sept. 7, 1875	173	55	8	430
Can-opener .....	R. Smith .....	169, 202	Oct. 26, 1875	858	279	8	709
Can-opener .....	G. L. Witsil .....	171, 463	Dec. 21, 1875	781	258	8	1069
Caus, Apparatus for filling, soldering, and banding	G. H. Perkins .....	167, 356	Aug. 31, 1875	1146	360	8	393
Canal-boats, Construction of	W. Ball .....	164, 709	June 22, 1875	833	271	7	1071
Canal-lock .....	C. G. Force, jr. ....	166, 695	Aug. 17, 1875	502	154	8	287
Canal-lock gate .....	T. L. Rosser .....	159, 280	Feb. 2, 1875	34	12	7	189
Canal-lock gate .....	J. E. Renk .....	165, 178	July 6, 1875	36	10	8	13
Candle-burner .....	G. Hollister .....	168, 333	Oct. 5, 1875	15	6	8	567
Candle-holder .....	H. Smith .....	161, 360	Mar. 30, 1875	1059	344	7	525
Candle-holder clamp .....	F. A. Schroeder .....	164, 599	June 15, 1875	718	233	7	1047
Candlestick .....	A. Albertson .....	168, 822	Oct. 19, 1875	493	161	8	651
Candlestick .....	J. B. Gribble .....	166, 274	Aug. 3, 1875	81	25	8	210
Candlestick .....	W. Kilburn .....	160, 334	Mar. 2, 1875	69	25	7	358
Candlestick .....	Z. I. Pratt .....	166, 223	Aug. 3, 1875	35	12	8	204
Candlestick .....	T. Swan .....	166, 651	Aug. 10, 1875	443	137	8	270
Candy-beater, Steam	B. and H. Stern .....	171, 444	Dec. 21, 1875	765	252	8	1067
Candy-mixing machine	S. F. Whitman .....	160, 494	Mar. 2, 1875	215	74	7	380
Candy-spinner .....	S. B. Hymer .....	165, 836	July 20, 1875	699	213	8	128
Cane .....	W. R. Park .....	169, 918	Nov. 16, 1875	609	189	8	829
Cane and umbrella combined	J. Boyd .....	169, 406	Nov. 2, 1875	79	24	8	745
Cane and umbrella, Combined	J. N. Colby and J. E. Coffin .....	167, 070	Aug. 24, 1875	869	271	8	347
Cane and umbrella combined	T. Harris and A. Kinderman .....	168, 092	Sept. 28, 1875	687	217	8	527
Cane and whip, Combined	O. H. Supton .....	169, 485	Nov. 2, 1875	147	48	8	755
Cane-gun .....	C. Melaye .....	170, 684	Dec. 7, 1875	28	9	8	954
Cane-juice, Apparatus for bleaching	J. M. Lescale .....	161, 527	Mar. 30, 1875	1221	393	7	546
Cane juice, Apparatus for treating	F. Randon .....	158, 979	Jan. 19, 1875	603	200	7	122
Causter .....	T. W. Burger and J. A. Graff .....	159, 538	Feb. 9, 1875	299	97	7	233
Causter .....	J. S. Field .....	171, 006	Dec. 14, 1875	335	111	8	1002
Causter .....	S. A. Hsley .....	163, 075	May 11, 1875	335	109	7	798
Causter .....	R. D. Van de Carr .....	159, 732	Feb. 9, 1875	452	151	7	255
Causer .....	R. F. S. Heath .....	159, 925	Feb. 16, 1875	659	218	7	288
Canvas-stretcher .....	J. P. Wright and D. W. Gardner .....	159, 012	Jan. 19, 1875	634	210	7	196
Cap .....	J. C. Gobel .....	161, 876	Apr. 13, 1875	265	89	7	618
Cap .....	M. Marks .....	166, 395	Aug. 3, 1875	197	59	8	226
Cap .....	M. Mendel .....	160, 452	Mar. 2, 1875	177	61	7	374
Cap .....	A. Schwarz .....	166, 900	Aug. 17, 1875	694	215	8	314
Cap-box .....	A. Huskamp .....	162, 377	Apr. 20, 1875	741	241	7	685
Cap, Mask .....	M. Marks .....	164, 573	June 15, 1875	695	226	7	1044
Cap, Reversible .....	M. Fox .....	164, 987	June 29, 1875	1102	355	7	1112
Cap, Traveling .....	A. Schwarz .....	160, 844	Mar. 16, 1875	561	182	7	443
Capstan .....	A. Russell .....	167, 693	Sept. 14, 1875	287	91	8	454
Car and carriage heater	J. Schmitt .....	163, 415	May 18, 1875	662	212	7	857
Car apron, Stock	C. R. Jones .....	160, 329	Mar. 2, 1875	66	23	7	358
Car axle, Railway	S. L. Harrison .....	160, 095	Feb. 23, 1875	832	273	7	318
Car blind and screen combined	W. H. Fletcher .....	165, 812	July 20, 1875	671	205	8	125
Car body, Street	J. Stephenson .....	161, 570	Mar. 30, 1875	1264	406	7	552
Car-brake .....	M. V. Aldrich and G. F. Huggins .....	164, 955	June 29, 1875	1077	347	7	1109
Car-brake .....	A. Barker .....	162, 340	Apr. 20, 1875	693	225	7	679
Car-brake .....	J. H. Betteley and T. Sharer .....	170, 509	Nov. 30, 1875	1182	513	8	923
Car-brake .....	C. C. Clark .....	160, 083	Feb. 23, 1875	822	270	7	317
Car-brake .....	S. Donbleday .....	166, 351	Aug. 3, 1875	150	47	8	221
Car-brake .....	C. Fogelberg .....	159, 310	Feb. 2, 1875	57	22	7	193
Car-brake .....	S. Gilzinger .....	161, 946	Apr. 13, 1875	327	109	7	626
Car-brake .....	S. S. Hay .....	160, 428	Mar. 2, 1875	153	54	7	370
Car-brake .....	M. M. Hiner and J. M. Fessler .....	160, 190	Feb. 23, 1875	910	299	7	330
Car-brake .....	G. M. Hopkins .....	160, 269	Mar. 2, 1875	12	5, 6	7	350
Car-brake .....	N. N. Horton .....	158, 493	Jan. 5, 1875	127	42, 43	7	27
Car-brake .....	S. G. Howe .....	162, 556	Apr. 27, 1875	918	294	7	715
Car-brake .....	J. M. Kelly .....	161, 884	Apr. 13, 1875	272	91	7	619
Car-brake .....	D. D. Kimel .....	162, 290	Apr. 20, 1875	648	211	7	674
Car-brake .....	F. L. Kirtley .....	164, 007	June 1, 1875	139	50	7	950
Car-brake .....	F. L. Kirtley .....	164, 009	June 1, 1875	141	50	7	950
Car-brake .....	P. Klanzinger .....	170, 379	Nov. 23, 1875	1042	327	8	895
Car-brake .....	C. Laarve and R. J. Wynkoop .....	162, 177	Apr. 20, 1875	545	179	7	661
Car-brake .....	S. P. Littlefield .....	165, 008	June 29, 1875	1120	361	7	1115
Car-brake .....	M. Madden .....	158, 426	Jan. 5, 1875	63	22	7	18
Car-brake .....	R. C. O'Hara .....	165, 250	July 6, 1875	99	29	8	22
Car-brake .....	J. Raddin .....	166, 937	Aug. 24, 1875	741	229	8	310
Car-brake .....	H. F., J. M., and W. B. Rice .....	161, 549	Mar. 30, 1875	1241	399	7	549
Car-brake .....	A. T. Riley .....	166, 811	Aug. 17, 1875	609	188	8	303
Car-brake .....	E. J. Roberts .....	160, 717	Mar. 9, 1875	423	141	7	418
Car-brake .....	J. N. Sawkins .....	168, 585	Oct. 11, 1875	269	87, 88	8	609
Car-brake .....	J. N. Sawkins .....	169, 593	Nov. 2, 1875	255	82	8	768
Car-brake .....	J. G. Scott .....	159, 612	Feb. 9, 1875	353	117	7	241
Car-brake .....	J. Y. Smith .....	163, 612	May 25, 1875	863	272	7	890
Car-brake .....	E. Stewart .....	161, 571	Mar. 20, 1875	1265	407	7	552
Car-brake .....	F. Svoboda and F. Luxa .....	160, 477	Mar. 2, 1875	197	68	7	377
Car-brake .....	J. E. Worthman .....	165, 648	July 13, 1875	505	155	8	87
Car brake and starter	W. Scott .....	171, 246	Dec. 21, 1875	589	193	8	1044
Car-brake, Hydraulic	W. M. Henderson .....	159, 511	Feb. 9, 1875	275	89	7	230
Car-brake, Hydraulic	T. McBride .....	166, 397	Aug. 3, 1875	198	59	8	227
Car-brake, Pneumatic	H. F. Knapp .....	167, 341	Aug. 31, 1875	1132	356	8	392
Car brake, Railway	G. Hiller .....	161, 789	Apr. 6, 1875	170	58	7	593



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Car-brake shoe	A. A. Freeman	164,081	June 8, 1875	238	82	7	974
Car-brake shoe	M. Madden	167,616	Sept. 14, 1875	223	69	8	444
Car-brake shoe	H. Stentz	170,409	Nov. 23, 1875	1073	338	8	899
Car-brake, Steam	H. H. Taylor and A. McCarnish	167,894	Sept. 14, 1875	391	125	8	469
Car-brake, Vacuum	F. W. Eames	167,750	Sept. 14, 1875	339	108	8	461
Car-brakes, Device for operating	J. Kirby	171,518	Dec. 28, 1875	855	260	8	1088
Car-brakes, Device for operating	S. B. Ladd	165,336	July 6, 1875	175	53	8	33
Car-buffer, Railway	P. E. Drake	163,165	May 11, 1875	417	135	7	809
Car-bumper	S. Griffith and J. S. Patterson	167,333	Aug. 31, 1875	1126	354	8	391
Car-coach	T. H. Neal	169,569	Nov. 2, 1875	230	75	8	765
Car-cooling and ventilating device	J. F. Babcock	171,079	Dec. 14, 1875	400	133	8	1011
Car-coupler	I. T. Sherrill	161,165	Mar. 23, 1875	856	290	7	491
Car-coupling	J. H. Acton	165,971	July 27, 1875	838	258	8	160
Car-coupling	D. L. Adams	160,635	Mar. 9, 1875	349	118	7	468
Car-coupling	W. H. Adams	163,718	May 25, 1875	949	301	7	992
Car-coupling	A. V. Anderson	162,877	May 4, 1875	127	42	7	763
Car-coupling	J. G. Baader	162,879	May 4, 1875	128	43	7	764
Car-coupling	C. F. Balc	160,294	Mar. 2, 1875	33	13	7	353
Car-coupling	L. I. Baker	161,566	Apr. 6, 1875	1	1	7	569
Car-coupling	O. T. Baker	160,295	Mar. 2, 1875	34	13	7	354
Car-coupling	O. T. Baker	162,336	Apr. 20, 1875	688	224	7	679
Car-coupling	W. E. Bell	165,529	July 13, 1875	394	118	8	70
Car-coupling	C. Billmeyer	158,892	Jan. 19, 1875	519	173	7	111
Car-coupling	H. Blackmore	164,419	June 15, 1875	566	184	7	1626
Car-coupling	W. H. Bodenhamer	164,961	June 29, 1875	1083	348	7	1110
Car-coupling	D. Bower	161,096	Mar. 23, 1875	795	261	7	483
Car-coupling	C. Bowman	164,671	June 22, 1875	793	260	7	1066
Car-coupling	W. A. Boyden	159,636	Feb. 9, 1875	370	123	7	244
Car-coupling	J. Brinkerhoff, G. B. Bennett, and L. Selder	170,226	Nov. 23, 1875	909	283	8	876
Car-coupling	A. Brown	170,227	Nov. 23, 1875	909	283	8	876
Car-coupling	P. Brown	163,633	May 25, 1875	881	278	7	893
Car-coupling	W. S. Burton	164,803	June 22, 1875	917	297	7	1081
Car-coupling	B. F. Cadenhead	160,388	Mar. 2, 1875	115	42	7	365
Car-coupling	G. W. Call	158,402	Jan. 5, 1875	45	16	7	15
Car-coupling	T. T. Carson and P. F. Whiting	169,891	Nov. 16, 1875	585	181	8	826
Car-coupling	H. W. Chase	171,504	Dec. 28, 1875	844	276	8	1086
Car-coupling	A. H. Clark	160,082	Feb. 23, 1875	821	270	7	317
Car-coupling	J. M. Glenn	160,162	Feb. 23, 1875	888	292	7	327
Car-coupling	W. Chne, jr	160,005	Feb. 23, 1875	755	250	7	308
Car-coupling	J. D. Conner and L. Fritz	163,746	May 25, 1875	974	308	7	995
Car-coupling	A. Coulter	158,915	Jan. 19, 1875	544	181	7	114
Car-coupling	R. A. Cowell	169,624	Nov. 9, 1875	299	97	8	782
Car-coupling	J. and A. E. Crane	162,903	May 9, 1875	152	49	7	767
Car-coupling	A. Cyr	169,424	Nov. 2, 1875	96	29	8	748
Car-coupling	A. Debuff	162,537	Apr. 27, 1875	903	289	7	714
Car-coupling	J. Dinsmore	165,484	July 13, 1875	354	104	8	64
Car-coupling	W. Dorr	161,936	Apr. 13, 1875	319	106	7	625
Car-coupling	H. Dutcher	158,409	Jan. 5, 1875	51	18	7	16
Car-coupling	V. Erbach	159,399	Feb. 2, 1875	141	48	7	204
Car-coupling	L. D. Evans	163,469	May 18, 1875	708	226	7	863
Car-coupling	O. E. Ford	169,981	Nov. 16, 1875	659	206	8	836
Car-coupling	C. C. Garrett	161,405	Mar. 30, 1875	1105	358	7	531
Car-coupling	J. Graham	159,407	Feb. 2, 1875	151	51	7	205
Car-coupling	W. Green	160,822	Mar. 16, 1875	545	177	7	441
Car-coupling	W. O. Gunckel	158,935	Jan. 19, 1875	564	187	7	116
Car-coupling	J. Hardey	158,705	Jan. 12, 1875	328	112	7	70
Car-coupling	D. Harper	170,259	Nov. 23, 1875	940	293	8	881
Car-coupling	P. Harper	166,987	Aug. 24, 1875	791	241	8	337
Car-coupling	E. P. Harrington	171,280	Dec. 21, 1875	621	203	8	1048
Car-coupling	J. Harris	169,169	Oct. 26, 1875	833	271	8	705
Car-coupling	W. G. Hawkins	162,648	Apr. 27, 1875	995	319	7	725
Car-coupling	H. D. Hervey and G. H. Abrams	167,244	Aug. 31, 1875	1052	327	8	380
Car-coupling	P. Hien and J. Kock	165,826	July 20, 1875	689	210	8	127
Car-coupling	C. Holzer	162,067	Apr. 13, 1875	425	142	7	639
Car-coupling	W. R. Hoopes and M. S. Smith	160,326	Mar. 2, 1875	63	23	7	357
Car-coupling	H. C. Hunt	166,463	Aug. 10, 1875	284	85	8	247
Car-coupling	W. R. Hunter	167,767	Sept. 14, 1875	361	114	8	464
Car-coupling	J. Jacobson	164,841	June 22, 1875	952	308	7	1086
Car-coupling	C. Johnson	170,568	Nov. 30, 1875	1233	388	8	930
Car-coupling	J. H. Johnson	168,399	Oct. 5, 1875	72	25	8	575
Car-coupling	B. S. Kearney	163,931	June 1, 1875	77	26	7	941
Car-coupling	A. A. Kellogg	159,099	Jan. 26, 1875	737	244	7	148
Car-coupling	J. W. Klingler, D. Bolender, and S. E. Stern	171,289	Dec. 21, 1875	629	206	8	1049
Car-coupling	M. Kurtzman	160,779	Mar. 16, 1875	506	164	7	436
Car-coupling	G. W. Kyle	164,188	June 8, 1875	329	112	7	986
Car-coupling	G. E. Lacy	170,092	Nov. 16, 1875	763	241	8	849
Car-coupling	J. J. Lahaye	158,948	Jan. 19, 1875	574	190	7	118
Car-coupling	A. Langellier	159,425	Feb. 2, 1875	166	57	7	307
Car-coupling	W. Lannan	166,879	Aug. 17, 1875	676	209	8	312
Car-coupling	E. M. Law	165,450	July 13, 1875	321	94	8	59
Car-coupling	E. Lewis	167,454	Sept. 7, 1875	66	20	8	415
Car-coupling	J. T. A. Lewis	170,748	Dec. 7, 1875	87	28	8	962
Car-coupling	H. T. Lovell	160,057	Feb. 23, 1875	801	263	7	314
Car-coupling	J. M. Marlin	166,537	Aug. 10, 1875	343	105	8	255
Car-coupling	L. and W. Matteson	159,695	Feb. 9, 1875	429	143	7	252
Car-coupling	C. Maus	168,270	Sept. 28, 1875	850	270	8	549
Car-coupling	L. C. Mayes and J. S. Murphy	167,184	Aug. 31, 1875	1000	311	8	373
Car-coupling	P. F. McClure	158,597	Jan. 12, 1875	234	79	7	57
Car-coupling	D. McCurdy	158,724	Jan. 12, 1875	345	117	7	72
Car-coupling	G. H. and C. L. McGlothlen	168,041	Sept. 21, 1875	612	196	8	510
Car-coupling	R. A. McKanna	161,255	Mar. 23, 1875	946	308	7	503
Car-coupling	H. F. McKevey	169,563	Nov. 2, 1875	223	73	8	765

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Car-coupling	J. M. Nabb	164, 017	June 1, 1875	151	53	7	951
Car-coupling	P. L. Menk	158, 507	Jan. 5, 1875	139	46	7	28
Car-coupling	H. Meriam	160, 025	Feb. 23, 1875	772	255	7	310
Car-coupling	B. Mickle	166, 622	Aug. 10, 1875	419	129	8	266
Car-coupling	H. H. Miller, J. F. Rogers, and C. Force.	161, 259	Mar. 23, 1875	951	309	7	504
Car-coupling	R. Misso and B. J. Warner	164, 753	June 22, 1875	870	283	7	1076
Car-coupling	J. C. Mitchell	169, 720	Nov. 9, 1875	400	125	8	795
Car-coupling	D. C. Morris	161, 978	Apr. 13, 1875	351	118	7	629
Car-coupling	L. E. Musiek	165, 857	July 20, 1875	720	219	8	131
Car-coupling	F. W. Nash	165, 751	July 20, 1875	607	187	8	117
Car-coupling	D. A. Newsom	168, 915	Oct. 9, 1875	580	191	8	663
Car-coupling	N. Nilson	164, 866	June 22, 1875	978	316	7	1069
Car-coupling	S. Ott	158, 973	Jan. 19, 1875	598	199	7	121
Car-coupling	G. R. Owcu	166, 717	Aug. 17, 1875	526	161	8	290
Car-coupling	W. S. Peck	158, 517	Jan. 5, 1875	147	49	7	29
Car-coupling	G. T. Perkins	158, 731	Jan. 12, 1875	351	119	7	73
Car-coupling	W. V. Perry	163, 519	May 18, 1875	765	242	7	870
Car-coupling	S. B. Petree and A. C. Henslee	158, 975	Jan. 19, 1875	599	199	7	121
Car-coupling	M. Pettugill	159, 444	Feb. 2, 1875	184	62	7	210
Car-coupling	L. W. Powls	163, 806	May 23, 1875	1025	325	7	912
Car-coupling	C. E. Ramage	165, 025	June 29, 1875	1133	366	7	1117
Car-coupling	J. Rhoads	164, 330	June 8, 1875	463	153	7	1004
Car-coupling	H. F., J. M., and W. B. Rice	163, 769	May 4, 1875	31	10	7	751
Car-coupling	W. Robinson	171, 172	Dec. 14, 1875	491	162	8	1023
Car-coupling	J. G. Rogers	164, 487	June 15, 1875	624	202	7	1034
Car-coupling	G. W. E. Row	159, 120	Jan. 26, 1875	757	249	7	150
Car-coupling	A. E. Rowley	163, 163	Apr. 13, 1875	455	151	7	643
Car-coupling	E. L. Sandford	168, 345	Oct. 5, 1875	23	9	8	568
Car-coupling	G. C. Schow	162, 197	Apr. 20, 1875	562	185	7	663
Car-coupling	W. C. Scoles	160, 473	Mar. 2, 1875	193	67	7	376
Car-coupling	H. A. Sharp	162, 772	May 4, 1875	35	11	7	751
Car-coupling	N. G. Shelley, S. P. Bozarth, and D. V. Spring.	163, 110	May 11, 1875	364	119	7	802
Car-coupling	B. B. Sherry	159, 850	Feb. 16, 1875	589	195	7	278
Car-coupling	L. Sibley	168, 190	Sept. 28, 1875	779	248	8	540
Car-coupling	J. Singo	166, 563	Aug. 10, 1875	366	112	8	259
Car-coupling	B. J. Sirmans	159, 614	Feb. 9, 1875	354	117	7	241
Car-coupling	B. Slusser	159, 462	Feb. 2, 1875	209	67	7	213
Car-coupling	F. L. Small	169, 304	Oct. 26, 1875	956	310	8	722
Car-coupling	A. Smith	167, 477	Sept. 7, 1875	84	26	8	418
Car-coupling	J. B. Smith	169, 201	Oct. 26, 1875	857	279	8	709
Car-coupling	J. H. C. and N. B. Smith	162, 774	May 4, 1875	36	12	7	751
Car-coupling	O. C. Smith	168, 423	Oct. 5, 1875	91	32	8	578
Car-coupling	W. F. Smoot	162, 111	Apr. 13, 1875	468	155	7	644
Car-coupling	N. N. Spafford	167, 278	Aug. 31, 1875	1077	336	8	384
Car-coupling	J. B. Stamour	159, 974	Feb. 16, 1875	703	231	7	293
Car-coupling	J. B. Stamour	164, 698	June 22, 1875	822	268	7	1069
Car-coupling	W. F. Starr	159, 975	Feb. 16, 1875	704	234	7	293
Car-coupling	F. Street	158, 541	Jan. 5, 1875	165	56	7	32
Car-coupling	J. G. Stricklett	163, 420	May 18, 1875	666	213	7	857
Car-coupling	M. Sullivan	166, 157	July 27, 1875	1017	313	8	185
Car-coupling	O. L. Taylor	163, 897	June 1, 1875	50	17	7	937
Car-coupling	G. M. Thompson	159, 862	Feb. 16, 1875	600	199	7	280
Car-coupling	J. W. Treadway	158, 543	Jan. 5, 1875	166	57	7	32
Car-coupling	G. A. Tuttle and H. B. Thompson	159, 125	Jan. 26, 1875	760	250	7	151
Car-coupling	S. Ustick	164, 113	June 8, 1875	265	91	7	978
Car-coupling	S. Ustick	168, 197	Sept. 28, 1875	786	249	8	540
Car-coupling	H. B. E. Von Elsner	164, 615	June 15, 1875	731	239	7	1049
Car-coupling	L. Vote	159, 128	Jan. 26, 1875	762	251	7	151
Car-coupling	W. H. Ward	167, 043	Aug. 24, 1875	839	262	8	343
Car-coupling	T. A. Watson	170, 035	Nov. 16, 1875	703	222	8	842
Car-coupling	G. Wernimont	167, 718	Sept. 14, 1875	309	98	8	457
Car-coupling	J. West	160, 133	Feb. 23, 1875	861	285	7	323
Car-coupling	J. G. Wilson	162, 449	Apr. 20, 1875	802	261	7	693
Car-coupling	J. T. Wilson	163, 429	May 18, 1875	671	215	7	858
Car-coupling	J. B. Winters	159, 372	Feb. 2, 1875	117	41	7	200
Car-coupling	A. Wonderly	158, 662	Jan. 12, 1875	293	98	7	65
Car-coupling	J. Yeagly	161, 850	Apr. 6, 1875	230	77	7	602
Car-coupling	J. Q. A. and J. D. Young	166, 327	Aug. 3, 1875	129	40	8	217
Car-coupling	S. T. Young	162, 452	Apr. 20, 1875	806	262	7	693
Car-coupling and brake	F. M. Campbell	169, 657	Nov. 16, 1875	639	199	8	833
Car-coupling, Automatic	J. Miller	164, 020	June 1, 1875	153	54	7	951
Car-coupling, heater-joint, and brake-pipe, Combined.	F. R. Hunt	159, 679	Feb. 9, 1875	414	137	7	250
Car-coupling link	J. M. Clem	163, 743	May 25, 1875	972	308	7	905
Car-coupling, Street	H. Krüger, jr.	166, 533	Aug. 10, 1875	340	104	8	255
Car-door	R. Ferguson	164, 285	June 8, 1875	422	141	7	998
Car-door, Freight	H. C. McCarty and E. Glenn	161, 345	Mar. 30, 1875	1045	340	7	524
Car-door, Freight	G. W. Phelon	158, 732	Jan. 12, 1875	352	119	7	72
Car-door, Grain	G. F. David and C. Wilding	167, 228	Aug. 31, 1875	1037	322	8	378
Car-door, Grain	E. Peo	162, 464	Apr. 27, 1875	838	270	7	706
Car-door, Grain	F. J. Kimball	165, 490	July 13, 1875	366	106	8	65
Car-doors, Device for operating street	D. R. Hart	163, 770	May 25, 1875	992	315	7	908
Car-doors, Mounting	G. S. Knapp	162, 930	May 4, 1875	178	59	7	770
Car-doors, Operating street	D. Shield	168, 794	Oct. 11, 1875	453	148	8	636
Car, Dumping	R. Roberts	160, 122	Feb. 23, 1875	653	282	7	322
Car, Dumping	B. Slusser	166, 312	Aug. 3, 1875	117	36	8	216
Car-dumping apparatus	J. Wiland, sr.	171, 460	Dec. 21, 1875	779	257	8	1069
Car, Elevated railway	R. Stone	162, 323	Apr. 20, 1875	674	230	7	677
Car for inclined planes	J. Earnshaw	162, 358	Apr. 20, 1875	713	232	7	682
Car, Freight	S. Paul and J. Sibley	160, 463	Mar. 2, 1875	185	64	7	375

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Car, Hand	J. H. Gabert	163, 176	May 11, 1875	426	138	7	610
Car, Hand	L. C. Hopkins and A. Cooke	159, 266	Feb. 2, 1875	23	8	7	188
Car, Hand	B. F. Ray	167, 119	Aug. 24, 1875	917	286	8	354
Car-heater	T. W. Tyler	159, 092	Jan. 19, 1875	638	208	7	135
Car heater and ventilator.	J. Amory	163, 908	June 1, 1875	59	20	7	938
Car heater and ventilator.	J. Oliphant	163, 397	May 18, 1875	648	207	7	635
Car heater, Railway.	W. B. Hayden	161, 879	Apr. 13, 1875	368	90	7	618
Car-heater, Safety.	C. A. West	170, 321	Nov. 23, 1875	993	311	8	888
Car hitch-hook, Street	D. Demarest	159, 308	Feb. 2, 1875	56	21	7	192
Car lifter, Railway.	J. D. Imboden	170, 374	Nov. 23, 1875	1037	326	8	895
Car-lighting apparatus, Railway	R. Pintsch	162, 946	May 4, 1875	195	64	7	773
Car-lighting apparatus, Railway	I. F. Randolph	169, 658	Nov. 9, 1875	336	106	8	781
Car-lighting apparatus, Railway	J. Story	167, 126	Oct. 26, 1875	797	258	8	700
Car, Lumber	J. L. Ridgely, jr	167, 121	Aug. 24, 1875	919	286	8	354
Car-motor	G. E. Cliver	166, 070	July 27, 1875	929	287	8	172
Car-mover	M. Woodworth and J. B. Fredricks.	164, 504	June 15, 1875	638	206	7	1035
Car, Oil	A. P. Odell	163, 515	May 18, 1875	760	241	7	870
Car, Ore	S. L. Pierce	162, 189	Apr. 20, 1875	555	182	7	662
Car, Passenger.	I. Bridgman	160, 079	Feb. 23, 1875	819	269	7	316
Car, Passenger.	D. Price	158, 519	Jan. 5, 1875	148	50	7	30
Car, Passenger.	M. A. Rikli	167, 122	Aug. 24, 1875	919	287	8	355
Car-platform.	G. M. Brill	167, 385	Sept. 7, 1875	4	2	8	407
Car-platform.	B. J. La Mothe.	170, 480	Nov. 30, 1875	1154	364	8	919
Car-platform.	E. Tiip.	170, 415	Nov. 23, 1875	1077	339	8	900
Car platform, Street	J. B. Slawson	158, 749	Jan. 12, 1875	362	124	7	75
Car platform, Street	J. Stephenson	161, 569	Mar. 30, 1875	1263	406	7	552
Car-pole coupling, Street.	J. S. Hagerty	162, 379	Apr. 20, 1875	736	239	7	685
Car poles, Draw-iron for street.	L. C. Prouty	167, 933	Sept. 21, 1875	514	164	8	495
Car-propeller	E. H. Leveaux	169, 816	Nov. 9, 1875	499	157	8	807
Car-propelling device.	W. Eppelsheimer	166, 975	Aug. 24, 1875	779	240	8	335
Car-pusher.	C. Bird and W. H. Sullenberger.	159, 787	Feb. 16, 1875	532	177	7	271
Car, Refrigerator	J. E. Acklorn	168, 953	Oct. 19, 1875	609	202	8	667
Car-replacer	W. Elms	165, 082	June 29, 1875	1184	381	7	1124
Car-replacer	S. I. Gates	161, 605	Apr. 6, 1875	14	6	7	571
Car-replacer	W. H. McLean	159, 697	Feb. 9, 1875	430	144	7	252
Car-replacer	R. D. Watson	158, 656	Jan. 12, 1875	289	97	7	64
Car-replacer	O. J. Williams	167, 421	Sept. 7, 1875	42	12	8	412
Car runner, Railway	L. O. Root	171, 581	Dec. 28, 1875	912	298	8	1086
Car safety-step.	J. A. Haase	162, 060	Apr. 13, 1875	420	140	7	638
Car-seat.	E. G. Wellman	158, 449	Jan. 5, 1875	84	29	7	21
Car-seat.	T. West	161, 646	Apr. 6, 1875	50	19	7	576
Car-seat lock	E. S. Scofield	170, 193	Nov. 23, 1875	879	275	8	872
Car seat, Railway	N. N. Horton	166, 875	Aug. 17, 1875	670	208	8	311
Car-seats, Head-rest for	T. Edwards	166, 453	Aug. 10, 1875	279	83	8	246
Car-seat-bearing, Railway.	G. Galloway	168, 476	Oct. 5, 1875	138	47	8	585
Car signal-light, Railway	R. F. Burnham and W. F. Strong	160, 871	Mar. 16, 1875	583	189	7	446
Car signaling device, Street.	J. Stephenson	161, 568	Mar. 30, 1875	1262	406	7	552
Car, Single-rail-railway	C. McWayne	163, 227	May 11, 1875	470	153	7	816
Car, Single-rail-railway	R. Stone	170, 692	Dec. 7, 1875	36	11	8	955
Car, Sleeping	J. Bolt	170, 985	Dec. 14, 1875	318	105	8	1000
Car, Sleeping	J. F. Goodridge	169, 633	Nov. 9, 1875	311	99	8	784
Car, Sleeping	E. P. Kellogg.	168, 027	Sept. 21, 1875	597	191	8	507
Car, Sleeping	C. E. Lucas	159, 428	Feb. 2, 1875	168	57, 58	7	207
Car, Sleeping	C. E. Lucas	161, 249	Mar. 23, 1875	939	305	7	502
Car, Sleeping	C. E. Lucas	166, 792	Aug. 17, 1875	591	182	8	300
Car, Sleeping	C. E. Lucas	168, 098	Sept. 28, 1875	694	219	8	527
Car, Sleeping	J. L. Mitchell	171, 238	Dec. 21, 1875	581	191	8	1043
Car, Sleeping	J. L. Mitchell	171, 239	Dec. 21, 1875	582	191	8	1043
Car, Sleeping	F. W. Parsons	168, 579	Oct. 11, 1875	262	86	8	609
Car-spring	B. A. Clooney	158, 361	Jan. 5, 1875	9	3	7	10
Car-spring	B. A. Clooney	161, 386	Mar. 30, 1875	1087	352	7	529
Car-spring	A. J. Culbertson	159, 892	Feb. 16, 1875	548	182	7	272
Car-spring	G. F. Godley	161, 115	Mar. 23, 1875	814	266	7	486
Car-spring	W. P. Hansell	163, 485	May 18, 1875	727	232	7	866
Car-spring	D. R. Pratt.	168, 845	Oct. 19, 1875	513	168	8	653
Car-spring	D. R. Pratt.	168, 846	Oct. 19, 1875	513	168	8	653
Car-spring	J. E. Wootten	165, 647	July 13, 1875	505	154	8	87
Car-spring	J. E. Wootten	166, 178	July 27, 1875	1039	320	8	188
Car-spring	J. E. Wootten	166, 179	July 27, 1875	1040	320	8	188
Car-spring, Air	P. Giffard	168, 980	Oct. 19, 1875	635	210	8	671
Car-starter	F. Ashley	164, 127	June 8, 1875	275	94	7	979
Car-starter	G. S. Bailey and H. Pool	165, 052	June 29, 1875	1157	373	7	1120
Car-starter	H. W. Balz, sr	162, 339	Apr. 20, 1875	692	225	7	679
Car-starter	S. Corse	159, 645	Feb. 9, 1875	377	125	7	245
Car-starter	S. Corse	165, 309	July 6, 1875	159	46	8	29
Car-starter	G. S. Curtis	165, 070	June 29, 1875	1174	378	7	1123
Car-starter	A. Dahler	170, 347	Nov. 23, 1875	1015	318	8	892
Car-starter	A. S. Gear	158, 585	Jan. 12, 1875	394	75	7	55
Car-starter	E. G. Goddard	170, 546	Nov. 30, 1875	1215	382	8	927
Car-starter	D. D. Hardy	160, 769	Mar. 16, 1875	457	162	7	434
Car-starter	D. D. Hardy	161, 030	Mar. 23, 1875	730	240	7	475
Car-starter	F. D. Hardy	163, 486	May 18, 1875	728	232	7	866
Car-starter	R. E. Hastings and B. W. Naves.	167, 528	Sept. 7, 1875	133	40	8	425
Car-starter	G. Hunter	164, 455	June 15, 1875	597	194	7	1030
Car-starter	G. A. Huse.	161, 042	Mar. 23, 1875	741	244	7	477
Car-starter	A. A. Jones	167, 340	Aug. 31, 1875	1131	356	8	391
Car-starter	G. S. Knapp	170, 175	Nov. 23, 1875	864	270	8	870
Car-starter	T. McDonough.	166, 213	Aug. 3, 1875	27	9	8	303
Car-starter	J. C. Moore.	159, 766	Feb. 16, 1875	511	171	7	268
Car-starter	C. F. Murdock	162, 572	Apr. 27, 1875	930	299	7	717
Car-starter	T. Murgatroyd	168, 172	Sept. 28, 1875	765	242	8	537
Car-starter	L. C. Parker	167, 928	Sept. 21, 1875	510	163	8	495

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Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
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Car-starter.....	J. D. Pierce.....	170,490	Nov. 30, 1875	1162	366	8	920
Car-starter.....	C. J. Shain and G. L. Waitt.....	169,956	May 4, 1875	207	67	7	774
Car-starter.....	A. B. Sharp.....	162,957	May 4, 1875	209	67	7	774
Car-starter.....	A. H. Smith.....	164,049	June 1, 1875	183	65	7	956
Car-starter.....	F. Stafford.....	163,895	June 1, 1875	49	17	7	937
Car-starter.....	M. Toulmin.....	168,940	Oct. 19, 1875	569	198	8	666
Car-starter.....	L. Woldley.....	170,459	Nov. 30, 1875	1133	357	8	916
Car-starter and brake.....	T. L. Webster.....	167,370	Aug. 31, 1875	1160	366	8	396
Car, Stock.....	W. W. Ker.....	167,177	Aug. 31, 1875	995	369	8	372
Car, Stock.....	J. R. McPherson.....	161,807	Apr. 6, 1875	186	63	8	596
Car, Stock.....	J. R. McPherson.....	163,849	July 20, 1875	710	216	8	130
Car, Stock.....	J. R. McPherson.....	163,859	July 20, 1875	711	217	8	130
Car, Stock.....	J. R. McPherson.....	168,043	Sept. 21, 1875	614	197	8	510
Car, Stock.....	S. W. Remer.....	159,357	Feb. 2, 1875	106	36, 37	8	199
Car, Stock.....	A. N. Steventon and T. F. McGrath.....	168,061	Sept. 21, 1875	643	204	8	513
Car, Street.....	S. H. Little.....	164,311	June 8, 1875	448	148	7	1002
Car, Street.....	J. Stephenson.....	161,565	Mar. 30, 1875	1258	405	7	551
Car, Street.....	J. Stephenson.....	161,566	Mar. 30, 1875	1259	405	7	551
Car, Street.....	J. Stephenson.....	161,567	Mar. 30, 1875	1261	406	7	551
Car, Street.....	J. Stephenson.....	162,964	May 4, 1875	214	69	7	775
Car, Street.....	J. Stephenson.....	167,585	Sept. 7, 1875	183	57	8	432
Car-ventilator.....	G. F. Godley.....	171,611	Dec. 28, 1875	954	309	8	1100
Car-ventilator.....	A. Hance.....	168,897	Oct. 19, 1875	556	182	8	659
Car-ventilator.....	E. Korting.....	159,187	Jan. 26, 1875	818	269	7	158
Car-ventilator.....	G. H. Storey.....	170,783	Dec. 7, 1875	118	38	8	966
Car-ventilator and water-cooler, Combined.....	A. J. Morrison.....	163,513	May 18, 1875	757	240 241	7	869
Car-ventilator, Railway.....	E. Rucano.....	165,180	July 6, 1875	37	11	8	13
Car-ventilators, Device for regulating.....	G. W. Birmingham.....	165,469	July 13, 1875	343	100	8	62
Car warming and ventilating apparatus, Railway.....	J. Storey.....	168,426	Oct. 5, 1875	94	33	8	578
Car warming and ventilating device.....	F. and J. Chalfant.....	159,541	Feb. 9, 1875	301	97	7	233
Car-wheel.....	S. E. Chapman.....	160,814	Mar. 15, 1875	538	174	7	440
Car-wheel.....	W. J. Cochran.....	158,678	Jan. 12, 1875	304	103	7	67
Car-wheel.....	W. J. Cochran.....	159,644	Feb. 9, 1875	376	125	7	244
Car-wheel.....	J. Leland.....	158,848	Jan. 19, 1875	478	160	7	106
Car-wheel.....	G. G. Lobdell.....	164,570	June 15, 1875	693	225	7	1043
Car-wheel.....	W. A. Mills.....	162,186	Apr. 20, 1875	552	181	7	662
Car-wheel.....	W. H. Paige.....	169,370	Nov. 2, 1875	49	15	8	741
Car-wheel.....	G. Palmer.....	160,462	Mar. 2, 1875	184	64	7	375
Car-wheel.....	A. Schrock.....	166,899	Aug. 17, 1875	693	214	8	314
Car-wheel.....	J. B. Tarr.....	159,530	Feb. 9, 1875	293	94	7	232
Car wheel and axle.....	B. A. Berryman.....	159,145	Jan. 26, 1875	777	255	7	153
Car-wheel chill.....	W. Wilmington.....	169,325	Oct. 26, 1875	977	317	8	725
Car-wheel lubricator.....	J. Woodville.....	167,048	Aug. 24, 1875	847	263	8	344
Car-wheel-swaging machine.....	A. L. Blackman.....	160,566	Mar. 9, 1875	291	99	7	399
Car-wheel, Tram-road.....	A. D. Griffin.....	161,223	Mar. 23, 1875	911	298	7	499
Car-wheels, Anti-friction device for.....	C. B. and S. W. Emery.....	159,656	Feb. 9, 1875	390	130	7	246
Car-wheels, Casting.....	W. A. Miles.....	159,434	Feb. 2, 1875	174	59	7	208
Car-wheels, Casting.....	W. Wilmington.....	170,925	Dec. 7, 1875	238	81	8	982
Car-window.....	J. L. M. Du Four.....	164,534	June 15, 1875	662	214	7	1039
Car-window.....	L. S. Starrett.....	163,113	May 11, 1875	367	119	7	803
Car window, Railway.....	A. Brandon.....	169,140	Oct. 26, 1875	808	262	8	702
Car-windows, Ventilating-screen for.....	C. F. Bridgman.....	168,742	Oct. 11, 1875	382	125	8	626
Cars and buildings, Ventilating.....	J. Briggs.....	162,616	Apr. 27, 1875	967	311	7	722
Cars, Apparatus for transferring goods to and from.....	W. H. Elliott.....	169,896	Nov. 16, 1875	588	183	8	826
Cars, Cinder-warder for railway.....	J. J. W. Taylor.....	168,681	Oct. 11, 1875	354	116	8	623
Cars, Combined wind-wheel and fan for.....	A. W. Woodward.....	170,215	Nov. 23, 1875	898	280	8	875
Cars, Construction of railway.....	J. E. Sleeper.....	158,505	Jan. 5, 1875	137	46	7	22
Cars, Device for moving railway.....	B. F. Phelps.....	160,839	Mar. 16, 1875	558	181	7	442
Cars, Draw-bar for street.....	F. F. Adams.....	167,568	Sept. 21, 1875	540	173	8	306
Cars, Draw-head for street.....	G. Jacoby.....	159,415	Feb. 2, 1875	157	53	7	400
Cars, Folding seat for horse.....	C. B. Sheldon.....	166,309	Aug. 3, 1875	114	35	7	215
Cars, Hand-motor for street.....	R. Steel and S. Austin.....	170,969	Dec. 14, 1875	303	101	8	998
Cars, Heating and ventilating.....	W. Sager.....	166,415	Aug. 3, 1875	217	66	8	329
Cars on short curves, Means for turning.....	W. Eppelsheimer.....	166,976	Aug. 24, 1875	780	241	8	335
Cars, &c., Propelling device for street.....	H. Tribble and N. A. Davis.....	159,980	Feb. 16, 1875	710	235	7	294
Cars, Safety-runner for railway.....	L. O. Root.....	166,301	Aug. 3, 1875	106	33	8	214
Cars, Ventilating.....	E. E. Hargreaves.....	170,364	Nov. 23, 1875	1027	332	8	893
Cars, &c., with endless traveling devices, Clamp apparatus for connecting street.....	T. Eppelsheimer.....	160,757	Mar. 16, 1875	484	158	7	433
Carbon or lamp-black, Apparatus for manufacturing.....	P. Neff and L. S. Fales.....	159,440	Feb. 2, 1875	180	61	7	209
Carboxy.....	A. H. Fatzinger.....	170,216	Nov. 23, 1875	927	289	8	879
Carbureted hydrogen-gas machine, Portable.....	J. M. Clark.....	166,914	Aug. 24, 1875	720	223	8	327
Carbureter.....	J. R. Allen.....	165,050	June 29, 1875	1153	372	7	1120
Carbureter.....	J. H. Bean.....	164,360	June 15, 1875	507	167	7	1019
Carbureter.....	D. Bickford.....	162,523	Apr. 27, 1875	890	285	7	712
Carbureter.....	E. J. Dasehbach.....	166,508	Aug. 10, 1875	321	97	8	252
Carbureter.....	T. H. Harrington.....	167,170	Aug. 31, 1875	989	307 308	8	371
Carbureter.....	J. C. Henderson.....	164,558	June 15, 1875	682	222	7	1042
Carbureter.....	H. J. Hyams.....	169,105	Oct. 26, 1875	777	252	8	697
Carbureter.....	J. F. and G. E. Lockwood.....	160,690	Mar. 9, 1875	399	134	7	415
Carbureter.....	S. Marks.....	168,910	Oct. 19, 1875	575	189	8	662
Carbureter.....	S. M. McKissock.....	170,097	Nov. 16, 1875	767	243	8	850
Carbureter.....	J. A. Pierce.....	165,862	July 20, 1875	724	220	8	132
Carbureter.....	J. M. Pollard.....	169,034	Oct. 19, 1875	687	227	8	677
Carbureter.....	I. W. Shaler.....	163,535	May 18, 1875	777	246	7	872
Carbureter.....	W. D. Snow.....	168,797	Oct. 11, 1875	457	149	8	637
Carbureter.....	D. L. Westcott.....	167,592	Sept. 7, 1875	189	59	8	433
Carbureter.....	D. L. Westcott.....	167,811	Sept. 14, 1875	400	129	8	470
Carbureter, Air.....	G. L. Gray and C. C. Lusby.....	165,564	July 13, 1875	424	128	8	75
Carbureter, Air and gas.....	A. W. Porter and F. M. Grimes.....	168,048	Sept. 21, 1875	623	199 200	8	511
Carbureter, Automatic rotary.....	T. A. Stombs.....	166,427	Aug. 3, 1875	228	69	8	231

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Carbureter, Gas	A. W. Porter	166, 476	Aug. 10, 1875	296	88	8	242
Carbureter, Gas	W. H. Reed	163, 528	May 18, 1875	772	245	7	871
Carbureter or hydrocarbon diffuser	H. J. Ferguson	160, 410	Mar. 2, 1875	136	48	4	368
Carbureters, Air-blower for	W. H. Reed	165, 254	July 6, 1875	102	31	8	23
Carbureters, Air-blowing apparatus for	C. M. Gearing	169, 802	Nov. 9, 1875	488	153	8	806
Carbureters, Air-pump for	H. Seyter	162, 255	Apr. 20, 1875	617	201	7	670
Carbureters, Air-supply attachment for	J. M. Cayce	166, 069	July 27, 1875	938	287	8	172
Carbureting air, Gas apparatus for	F. W. O'feldt	162, 848	May 4, 1875	100	33	7	760
Carbureting and purifying gas and air, Apparatus for	L. E. Fish	164, 825	June 22, 1875	938	303	7	1024
Carbureting apparatus	C. M. Gearing	166, 002	Aug. 10, 1875	401	123	8	264
Carbureting apparatus	A. C. Rand	169, 843	Nov. 9, 1875	526	164	8	810
Carbureting apparatus	J. Werni	169, 872	Nov. 9, 1875	554	173	8	814
Carbureting gas-machine	E. Foster	162, 543	Apr. 27, 1875	907	290	7	714
Carbureting gas-machine	T. J. Martin	158, 802	Jan. 19, 1875	436	146	7	100
Carbureting gas-machine	A. C. Rand	160, 468	Mar. 2, 1875	189	65	7	375
Carbureting-machine	E. Schoenberg	165, 372	July 6, 1875	212	63	8	37
Card, Business	B. M. Wilkerson	167, 045	Aug. 24, 1875	844	263	8	344
Card-cylinders, Machine for cleaning	H. Spalding	166, 565	Aug. 10, 1875	367	113	8	259
Card, Direction	A. E. Thurber	167, 204	Aug. 31, 1875	1016	316	8	375
Card-grinding machine	J. F. Wicks	171, 075	Dec. 14, 1875	396	132	8	1010
Card, Playing	P. D. Aub.	164, 508	June 15, 1875	641	207	7	1036
Card, Playing	A. Dougherty	168, 626	Oct. 11, 1875	310	101	8	616
Card, Playing	R. R. Landis	170, 381	Nov. 23, 1875	1044	328	8	895
Carding and combing machines, Cylinder for wool	J. K. Procter	164, 593	June 15, 1875	712	232	7	1046
Carding-engine feeding mechanism	J. G. Freeman	170, 842	Dec. 7, 1875	167	57	8	973
Carding engine, Wool	A. H. Woodbury	166, 578	Aug. 10, 1875	377	116	8	261
Carding-machine	T. H. and H. Blamires and H. Marsden	164, 796	June 22, 1875	906	294	7	1020
Carding-machine	J. and J. Dobson	165, 716	July 20, 1875	579	177	8	113
Carding-machine	J. F. Foss	166, 089	July 27, 1875	952	293	8	175
Carding-machine	H. Higgins and T. S. Whitworth	161, 613	Apr. 6, 1875	21	8	9	571
Carding-machine	J. Mason	161, 252	Mar. 23, 1875	944	308	7	503
Carding-machine condensing mechanism	M. A. Furbush	166, 601	Aug. 10, 1875	400	123	8	264
Carding-machine cylinder	C. N. Plantron	166, 407	Aug. 3, 1875	209	63	8	238
Carding-machine doffing mechanism	J. Barker	159, 742	Feb. 16, 1875	490	164	7	265
Carding-machine feeding apparatus	J. J. Dewey	170, 825	Dec. 7, 1875	153	51	8	971
Carding-machine feeding mechanism	G. S. Harwood	159, 233	Feb. 16, 1875	657	217	7	287
Carpenters, Planking-set for ship	E. Sloan	164, 881	June 22, 1875	992	320	7	1091
Carpenter's sliding gage and square	A. Iske and J. Baumgartner	158, 843	Jan. 19, 1875	473	159	7	105
Carpet beater and cleaner	J. Leiss	167, 770	Sept. 14, 1875	363	115	8	464
Carpet-beating machines, Destroying the vermin, &c., from	J. Doyle	164, 274	June 8, 1875	412	138	7	997
Carpet-cleaner	D. B. Scofield	164, 773	June 22, 1875	884	288	7	1078
Carpet-fabric	S. Horner, jr	162, 385	Apr. 20, 1875	740	241	7	685
Carpet-fastener	A. Burroughs	159, 153	Jan. 26, 1875	784	257	7	154
Carpet-lining	C. Amazeen	168, 076	Sept. 28, 1875	669	213	8	525
Carpet-lining	G. W. Chipman	168, 373	Oct. 5, 1875	49	18	8	571
Carpet-lining	G. W. Chipman	165, 374	Oct. 5, 1875	50	18	8	571
Carpet-linings, Machine for making	W. Lewis	171, 292	Dec. 21, 1875	632	207	8	1049
Carpet-rag looper	G. W. Naylor and H. T. Jeffers	162, 093	Apr. 13, 1875	446	148	7	641
Carpet-rag looper	W. H. H. Wyckoff	170, 323	Nov. 23, 1875	996	312	8	859
Carpet-show-rack	J. Crawshaw, jr	166, 345	Aug. 3, 1875	146	45	6	220
Carpet-stretcher	S. S. Calhoun and J. Kimerer	170, 887	Dec. 14, 1875	319	106	8	1000
Carpet-stretcher	B. Darragh	167, 876	Sept. 21, 1875	472	149	7	489
Carpet-stretcher	G. H. Ford	158, 926	Jan. 19, 1875	535	184	8	115
Carpet-stretcher	H. Goss	168, 633	Oct. 11, 1875	316	103	8	617
Carpet-stretcher	N. H. Merrill	162, 939	May 4, 1875	188	62	7	772
Carpet-stretcher	L. Nolton	171, 307	Dec. 21, 1875	644	211	8	1051
Carpet-stretcher	E. P. Shaffer	165, 032	June 29, 1875	1139	368	7	1118
Carpet-stretcher	A. D. Williams	163, 712	May 25, 1875	944	300	7	901
Carpet-stretcher and holder	D. Peters	165, 622	June 29, 1875	1130	365	7	1116
Carpet-stretcher and tack-driver, Combined	G. A. Alger	163, 907	June 1, 1875	58	20	7	938
Carpet-sweeper	F. M. Beckford	162, 520	Apr. 27, 1875	887	284	7	712
Carpet-sweeper	G. S. Gladding	167, 164	Aug. 31, 1875	984	306	8	370
Carpet-sweeper	J. J. Hatlinger	165, 730	July 20, 1875	589	181	8	114
Carpet-sweeper	J. Kauper	166, 388	Aug. 3, 1875	190	57	8	225
Carpet-sweeper	G. S. Norris	158, 511	Jan. 5, 1875	142	48	7	29
Carpet-sweeper	A. H. Spencer	166, 422	Aug. 3, 1875	224	68	8	230
Carpet-sweeper	R. W. Stewart	166, 232	Aug. 3, 1875	43	14	8	205
Carriage	A. L. Ogden	166, 546	Aug. 10, 1875	351	103	8	256
Carriage	F. Scherb and F. F. Doland	162, 313	Apr. 20, 1875	668	218	7	677
Carriage	C. Thomas	168, 430	Oct. 5, 1875	97	34	8	579
Carriage and chair combined, Child's	C. F. Tenney and T. J. Hobbs	164, 782	June 22, 1875	894	291	7	1079
Carriage and sleigh handle, Child's	G. E. Hawks and E. A. Hill	158, 706	Jan. 12, 1875	329	112	7	70
Carriage and wagon running-gear	H. Dibel	161, 767	Apr. 6, 1875	152	53	7	591
Carriage-axle	J. Kline	161, 618	Apr. 6, 1875	25	11	7	572
Carriage-axle	W. W. Simmons	169, 856	Nov. 9, 1875	538	168	8	811
Carriage-axle	J. P. Spicer and T. Insull	158, 993	Jan. 19, 1875	619	205	7	124
Carriage axle, Child's	H. W. Warner	158, 815	Jan. 19, 1875	448	149	7	102
Carriage-axles, Machine for forming collars on	J. Kritch	170, 744	Dec. 7, 1875	82	26	27	3 961
Carriage-axles, Machine for turning	J. W. Ellis	170, 538	Nov. 30, 1875	1204	350	8	826
Carriage-bodies, Hanging	S. N. Beecher	161, 738	Apr. 6, 1875	129	45	7	587
Carriage-body-loop blanks, Die for making	E. D. Clapp and F. Van Patten	168, 322	Oct. 5, 1875	7	3	8	565
Carriage-bow	J. A. Topfiff	166, 950	Aug. 24, 1875	753	233	8	331
Carriage-bow rest	W. E. Yeager	161, 189	Mar. 23, 1875	876	287	7	494
Carriage-bows, Machine for setting	J. H. McClaymonds	170, 875	Dec. 7, 1875	193	66	8	976
Carriage, Child's	C. H. Amidon	161, 086	Mar. 23, 1875	781	257	7	482
Carriage, Child's	R. W. Caldwell	166, 068	July 27, 1875	927	286	8	172
Carriage, Child's	J. A. Crandall	168, 458	Oct. 5, 1875	122	42	8	582
Carriage, Child's	A. W. Daby	159, 646	Feb. 9, 1875	378	155	7	245
Carriage, Child's	T. Galt and J. Blaisdell	171, 370	Dec. 21, 1875	697	230	8	1058
Carriage, Child's	L. B. Harrington, jr	168, 394	Oct. 5, 1875	67	24	8	574
Carriage, Child's	F. L. Hughes	159, 761	Feb. 16, 1875	507	170	7	628
Carriage, Child's	F. H. Juy	163, 381	May 18, 1875	632	203	7	858

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Carriage, Child's	R. Kreter	160,917	Mar. 16, 1875	619	{ 202 203 }	{ 7 8 }	451
Carriage, Child's	E. Krueger	168,647	Oct. 11, 1875	328	107	8	619
Carriage, Child's	J. M. Lewis	159,588	Feb. 9, 1875	335	111	7	239
Carriage, Child's	M. Medart	170,098	Nov. 16, 1875	768	243	8	870
Carriage, Child's	H. C. Moody	167,459	Sept. 7, 1875	70	21	8	416
Carriage, Child's	S. Oppenheimer	168,523	Oct. 5, 1875	185	60	8	599
Carriage, Child's	A. Kopus	170,493	Nov. 30, 1875	1164	367	8	921
Carriage, Child's	H. J. Shill, jr.	164,107	June 8, 1875	260	89	7	977
Carriage, Child's	J. P. Staub	166,903	Aug. 17, 1875	696	{ 215 216 }	{ 8 8 }	314
Carriage, Child's	O. G. Stratton and B. B. Noyes	161,987	Apr. 13, 1875	358	120	7	630
Carriage, Child's	E. W. Whitney	166,237	Aug. 3, 1875	47	15	8	206
Carriage, Child's	W. Wenz	163,715	May 25, 1875	946	300	7	901
Carriage-clip	A. W. Doty	163,055	May 11, 1875	315	101	7	795
Carriage-coupling	S. E. Foster	168,246	Sept. 28, 1875	828	264	8	546
Carriage-curtain	H. C. Moody	170,291	Nov. 23, 1875	967	362	8	854
Carriage-curtain fastener	H. Fester	159,809	Feb. 16, 1875	555	184	7	273
Carriage-curtain fastener	C. Kurz	159,585	Feb. 9, 1875	333	110	7	238
Carriage-curtain fastening	C. P. Ketterer	163,603	May 25, 1875	904	287	7	896
Carriage-curtain fixture	D. R. Knight and J. M. Ripple	166,114	July 27, 1875	975	300	8	179
Carriage-curtain fixture	D. R. Knight and J. M. Ripple	169,555	Nov. 2, 1875	215	71	8	764
Carriage-dash-board	J. Curtis	163,052	May 11, 1875	313	100	7	735
Carriage-door	G. Schaffner	163,268	May 11, 1875	511	166	7	821
Carriage-flap fastener	C. Thomas and W. K. Parker	159,717	Feb. 9, 1875	448	150	7	255
Carriage, Hand	W. O. Umstead	160,487	Mar. 2, 1875	208	71, 72	7	378
Carriage-handle socket, Child's	A. McLaughlin	171,153	Dec. 14, 1875	476	155	8	1021
Carriage-jack	J. G. Baker	162,009	Apr. 13, 1875	375	126	7	632
Carriage-jack	R. Eldridge	163,756	May 25, 1875	982	311	7	906
Carriage-jack	A. W. Field	167,232	Aug. 31, 1875	1040	323	8	378
Carriage-jack	Z. McDonald	169,279	Oct. 26, 1875	931	302	8	719
Carriage-jack	H. E. Nittinger	163,798	May 25, 1875	1017	322	7	911
Carriage-jack	A. W. Richards	168,530	Oct. 5, 1875	191	63	8	591
Carriage-jack, Ratchet	C. P. Willis	168,312	Sept. 28, 1875	885	283	8	554
Carriage-jump-seat	C. K. Mellinger	162,297	Apr. 20, 1875	653	213	7	675
Carriage-jump-seat	J. R. Patten	158,864	Jan. 19, 1875	492	165	7	108
Carriage-jump-seat	N. Starkey	160,036	Feb. 23, 1875	781	258	7	311
Carriage prop, nut, and rivet	G. A. Keene	161,518	Mar. 30, 1875	1214	390	7	545
Carriage-seat	D. Conboy	159,798	Feb. 16, 1875	545	181	7	272
Carriage-seat	S. Gilzinger	169,256	Oct. 26, 1875	909	295	8	716
Carriage-seat	C. K. Mellinger	165,016	June 29, 1875	1126	363	7	1116
Carriage-seat back	A. F. Hubbard	161,040	Mar. 23, 1875	739	243	7	477
Carriage-seat, Extension	J. V. Randall	158,738	Jan. 12, 1875	356	121	7	74
Carriage-seat irons, Former for bending	L. Emerson, A. J. Clark, and J. T. Richmond	168,007	Sept. 21, 1875	575	185	8	505
Carriage-shackles, Manufacturing	A. McKenzie	159,950	Feb. 16, 1875	682	226	7	290
Carriage-shifting-rail	E. P. Stedman	166,728	Aug. 17, 1875	535	164	8	291
Carriage-shifting seat	J. P. Cost	160,651	Mar. 9, 1875	364	{ 122 123 }	{ 7 7 }	410
Carriage-slat bows, Forming the ends of	C. Renton	167,600	Sept. 14, 1875	285	90	8	453
Carriage-spring	E. Chamberlin	167,065	Aug. 24, 1875	865	269	8	347
Carriage-spring	J. Cunningham	167,991	Sept. 21, 1875	558	180	8	502
Carriage-spring	H. M. Curtis	167,992	Sept. 21, 1875	559	180	8	502
Carriage-spring	W. F. Dusenbury	162,278	Apr. 20, 1875	637	208	7	673
Carriage-spring	W. H. Elliot	169,683	Nov. 9, 1875	361	114	8	790
Carriage-spring	J. Enders	160,887	Mar. 16, 1875	596	194	7	448
Carriage-spring	J. Fredenburgh	167,888	Sept. 21, 1875	482	152	8	490
Carriage-spring	W. S. Higgins	159,672	Feb. 9, 1875	409	136	7	249
Carriage-spring	C. G. Lazear	161,800	Apr. 6, 1875	173	61	7	595
Carriage-spring	H. Sprague	163,112	May 11, 1875	366	119	7	892
Carriage-spring attachment	C. S. Calley	162,027	Apr. 13, 1875	387	130	7	634
Carriage-spring-setting machine	T. B. De Forest	162,040	Apr. 13, 1875	397	{ 134 135 }	{ 7 7 }	635
Carriage-spring-setting machine	T. B. De Forest	166,918	Aug. 24, 1875	725	224	8	327
Carriage standard, Child's	G. W. Marble	164,195	June 8, 1875	334	114	7	957
Carriage-step	E. A. Cooper	167,646	Sept. 14, 1875	249	77	8	448
Carriage-top	J. H. Gibson	163,178	May 11, 1875	428	139	7	810
Carriage-top	A. W. Gilbert	167,658	Sept. 14, 1875	289	80	8	450
Carriage-top	J. C. Gould	169,634	Nov. 9, 1875	313	100	8	784
Carriage-top	C. Heergeist	160,905	Mar. 16, 1875	611	199	7	450
Carriage-top	R. F. Painter	169,371	Nov. 2, 1875	50	13	8	741
Carriage-top	W. H. Power and C. T. Anderson	169,579	Nov. 2, 1875	239	78, 79	8	707
Carriage-top	E. P. Stedman	161,837	Apr. 6, 1875	219	73	7	900
Carriage-top	G. E. Whitmore	167,373	Aug. 31, 1875	1164	366	8	396
Carriage-top prop	E. D. Clapp and F. Van Patten	168,319	Oct. 5, 1875	5	2	8	555
Carriage-top, Shifting	H. M. Gillespie and V. True	170,361	Nov. 23, 1875	1025	321	8	893
Carriage-top-slat iron	F. B. Plumb	163,885	June 1, 1875	42	14	7	936
Carriage-top support	A. Goodyear	160,894	Mar. 16, 1875	602	196	7	449
Carriage-wheel	E. Brown	171,348	Dec. 21, 1875	678	224	8	1056
Carriage-wheel	G. H. Crosby	170,994	Dec. 14, 1875	326	108	8	1001
Carriage-wheel	D. Cushman	166,191	Aug. 3, 1875	9	3	8	200
Carriage-wheel	I. Kester	169,272	Oct. 26, 1875	924	300	8	718
Carriage-wheel	S. W. Ludlow	170,866	Dec. 7, 1875	180	63	8	927
Carriage-wheel boxes, Shearing-die for	H. Hammond	161,956	Apr. 13, 1875	338	112	7	627
Carriage-wheel dust-guard	M. C. Nay	169,915	Nov. 16, 1875	605	188	8	828
Carriage-wheel fender	A. Shoeninger	159,047	Jan. 26, 1875	691	228	7	141
Carriage-window	G. A. Keene	163,016	May 11, 1875	278	90	7	791
Carriages, Die for making stay-ends and offsets for	D. Wilcox	171,457	Dec. 21, 1875	776	{ 256 257 }	{ 8 8 }	1069
Carrier:							
See Acid-carried.	Ice-cream carrier.						
Bottle-carrier.	Lumber-carrier.						
Butter-carrier.	Trace-carrier.						
Egg-carrier.							
Carrying-jack	A. K. Norris	169,369	Nov. 2, 1875	49	14, 15	8	741

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Cart-chute .....	W. M. Thompson .....	165, 632	July 13, 1875	490	149	8	84
Cart, Dead .....	T. F. White .....	168, 438	Oct. 5, 1875	102	35	8	580
Cart, Dumping .....	J. J. Adgate .....	160, 861	Mar. 16, 1875	575	187	7	445
Cart, Dumping .....	G. B. Wiestling .....	170, 654	Nov. 30, 1875	1315	416	8	941
Cart, Self-loading .....	T. C. Strawn .....	163, 541	May 18, 1875	782	248	7	872
Cart trough, Coal .....	W. P. Patton .....	161, 543	Mar. 30, 1875	1236	398	7	548
Carts, Shifting body for hand .....	J. M. Jones .....	163, 078	May 11, 1875	337	109	7	798
Carts, Spout attachment for dumping .....	M. A. Alvord .....	164, 122	June 8, 1875	272	93	7	979
Carts, &c., Unloading attachment for .....	T. Crossley and L. A. Bertolette .....	159, 907	Feb. 16, 1875	645	213	7	285
Cartridge .....	E. J. Collett .....	162, 901	May 4, 1875	151	49	7	767
Cartridge .....	D. C. Farrington .....	160, 263	Mar. 2, 1875	7	4	7	350
Cartridge .....	G. E. Hart .....	169, 806	Nov. 9, 1875	491	154	8	806
Cartridge .....	G. E. Hart .....	169, 807	Nov. 9, 1875	491	155	8	806
Cartridge .....	G. Smith .....	170, 643	Nov. 30, 1875	1308	413	8	940
Cartridge, Ball .....	R. F. Cook .....	163, 154	May 11, 1875	406	130	7	807
Cartridge-belt .....	D. Taylor .....	160, 730	Mar. 9, 1875	436	145	7	419
Cartridge-belt .....	D. Taylor .....	171, 639	Dec. 28, 1875	963	318	8	1105
Cartridge belt and holder .....	N. S. Goss .....	162, 055	Apr. 13, 1875	415	39	7	637
Cartridge, Blasting .....	F. W. Smith and F. Egge .....	168, 795	Oct. 11, 1875	456	149	8	637
Cartridge, Blasting .....	F. W. Smith and F. Egge .....	170, 600	Nov. 30, 1875	1269	400	8	934
Cartridge, Blasting .....	F. W. Smith and F. Egge .....	171, 441	Dec. 21, 1875	763	251	8	1067
Cartridge-box .....	G. E. Bringman .....	163, 570	May 25, 1875	822	260	7	885
Cartridge-box .....	J. Lee .....	162, 481	Apr. 27, 1875	854	274	7	708
Cartridge-box .....	M. V. B. White .....	164, 890	June 22, 1875	999	323	7	1092
Cartridge case, Blasting .....	P. A. Oliver .....	167, 465	Sept. 7, 1875	75	23	8	417
Cartridge-case, Machine-gun .....	W. B. Franklin .....	159, 404	Feb. 2, 1875	148	50	7	205
Cartridge case, Metallic .....	B. B. Hotchkiss .....	158, 494	Jan. 5, 1875	128	43	7	27
Cartridge-cases, Machine for making and heading .....	J. V. Meigs .....	167, 005	Aug. 24, 1875	810	251	8	339
Cartridge-cases, Manufacture of metallic .....	T. R. Bayliss .....	159, 883	Feb. 16, 1875	621	252	7	282
Cartridge feed-case .....	D. C. Farrington .....	166, 924	Aug. 24, 1875	729	226	8	328
Cartridge-feeding case, Machine-gun .....	D. C. Farrington .....	166, 923	Aug. 24, 1875	728	225	8	328
Cartridge, Fire-arm .....	J. H. Gill .....	163, 181	May 11, 1875	430	140	7	811
Cartridge-holder .....	N. S. Goss .....	160, 420	Mar. 2, 1875	146	51	7	369
Cartridge-loading device .....	G. W. Ansley .....	159, 013	Jan. 26, 1875	663	217	7	137
Cartridge-loading device .....	W. Noyes .....	167, 778	Sept. 14, 1875	369	117	8	465
Cartridge-loading device .....	F. Wohlgenuth .....	162, 512	Apr. 27, 1875	882	282	7	711
Cartridge-loading implement .....	B. Burton .....	160, 049	Feb. 23, 1875	792	261	7	313
Cartridge-loading implement .....	L. L. Hepburn .....	161, 682	Apr. 6, 1875	80	28	7	580
Cartridge-loading implement .....	W. G. Rawbone .....	161, 636	Apr. 6, 1875	42	16	7	575
Cartridge-loading implement .....	T. L. Sturtevant .....	162, 431	Apr. 20, 1875	785	255	7	690
Cartridge-loading machines, Feeding attachment for .....	A. C. Carey .....	163, 151	May 11, 1875	402	129	7	807
Cartridge making and loading machine .....	J. V. Meigs .....	163, 024	May 11, 1875	284	92, 93	7	792
Cartridge, Metallic .....	F. W. Freund .....	160, 763	Mar. 16, 1875	493	160	7	434
Cartridge, Metallic .....	M. M. E. Ganthey .....	159, 665	Feb. 9, 1875	492	133	7	248
Cartridge-primer .....	W. S. Smoot .....	170, 780	Dec. 7, 1875	115	37	8	965
Cartridge-shell .....	N. C. Hunting .....	161, 514	Mar. 30, 1875	1211	389	7	545
Cartridge-shell holder .....	W. H. Holabird and A. Parks .....	160, 432	Mar. 2, 1875	156	55	7	371
Cartridge-shells, Device for necking .....	G. P. Salisbury and C. S. Wells .....	167, 940	Sept. 21, 1875	519	166	8	496
Cartridge-shells, Machine for feeding .....	A. C. Carey .....	161, 382	Mar. 30, 1875	1083	351	7	528
Cartridge-shells, Machine for heading metallic .....	S. W. Wood .....	158, 614	Jan. 12, 1875	248	83, 84	7	59
Cartridge-shells, Tool for heading .....	G. P. Salisbury and C. S. Wells .....	170, 772	Dec. 7, 1875	109	34	8	965
Cartridge, Shot .....	B. D. Wilson .....	164, 894	June 22, 1875	1002	324	7	1092
Cartridges, Block for holding .....	R. T. Hare .....	169, 636	Nov. 9, 1875	315	101	8	784
Cartridges, Lubricating .....	J. V. Meigs .....	158, 960	Jan. 19, 1875	587	195	7	120
Carving machine, Wood .....	J. F. Blackman .....	165, 150	July 6, 1875	4	2	8	9
Case :							
<i>See</i> Blacking-case.	Pen and pencil case.						
Bluing-case.	Pencil-case.						
Book-case.	Piano-forte case.						
Burial-case.	Printer's case.						
Burial-casket case.	Sewing-case.						
Cartridge-case.	Show-case.						
Cartridge feed-case.	Sketching and phono-						
Clock-case.	graphic case.						
Demijohn-case.	Smoking-case.						
Dressing-case.	Spool-exhibiting case.						
Fishing-rod case.	Ticket-case.						
Latch and lock case.	Type-case.						
Meat-case.	Watch-case.						
Needle-case.	Yarn-case.						
Organ-case.							
Cask, Beer .....	P. Knudson .....	161, 796	Apr. 6, 1875	176	60	7	594
Cask, Metallic .....	G. W. McKim .....	169, 824	Nov. 9, 1875	509	159	8	808
Casks, Process for coating the interior of .....	G. Heath .....	164, 298	June 8, 1875	435		7	1000
Caskets and coffins, Construction of .....	J. M. Hutton .....	168, 499	Oct. 5, 1875	161	52	8	587
Cast hook .....	J. C. Coonley .....	159, 304	Feb. 2, 1875	54	20	7	192
Castanet .....	J. A. Crandall .....	166, 344	Aug. 3, 1875	145	45	8	820
Caster, Furniture .....	L. F. Cerf .....	170, 156	Nov. 23, 1875	847	265	8	868
Caster, Furniture .....	J. T. Codman .....	164, 973	June 29, 1875	1090	351	7	1111
Caster, Furniture .....	W. Gould .....	168, 479	Oct. 5, 1875	143	48	8	585
Caster, Furniture .....	J. F. Obmer .....	168, 773	Oct. 11, 1875	437	142	8	634
Caster, Furniture .....	W. A. Perkins .....	159, 352	Feb. 2, 1875	102	35	7	198
Caster, Furniture .....	C. B. Sheldon .....	164, 225	June 8, 1875	358	123	7	990
Caster, Furniture .....	C. B. Sheldon .....	164, 226	June 8, 1875	358	123	7	990
Caster, knob, &c., fastening .....	J. and F. Thinnes, and C. Schue-	162, 433	Apr. 20, 1875	787	256	7	691
ler.							
Caster, Sewing-machine .....	J. B. Garretson .....	169, 097	Oct. 26, 1875	769	250	8	696
Caster, Sewing-machine .....	J. McEwen .....	161, 624	Apr. 6, 1875	31	12	7	573
Caster, Sewing-machine .....	L. Muther and E. Hentschel .....	160, 276	Mar. 2, 1875	19	8	7	351
Caster, Sewing-machine .....	L. A. Parker .....	167, 782	Sept. 14, 1875	372	119	8	466
Caster, Sewing-machine .....	J. H. Plank .....	158, 436	Jan. 5, 1875	71	25	7	19

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Caster, Sewing-machine	B. P. Pratt	168, 182	Sept. 28, 1875	773	245	8	539
Caster, sewing-machine	A. C. West	165, 965	July 27, 1875	832	256	8	159
Caster, Table	W. F. Collier	161, 933	Apr. 13, 1875	316	106	7	625
Caster, Toilet	S. W. Babbitt	162, 006	Apr. 13, 1875	373	125	7	632
Casting apparatus, Ingot	J. E. Tarr	159, 472	Feb. 2, 1875	220	71	7	215
Casting chilled mold-boards, &c.	G. K. Smith	161, 169	Mar. 23, 1875	860	281	7	492
Casting ingots, Mold for	D. Foster and W. Lockwood	158, 696	Jan. 12, 1875	320	109	7	69
Casting metals, Apparatus for	C. Grasser and J. Stepp	165, 164	July 6, 1875	15	5, 6	8	11
Casting, Method of	L. Morgan	164, 198	June 8, 1875	337	115	7	988
Casting-mold	B. Harris	166, 773	Aug. 17, 1875	576	177	8	297
Casting-patterns, Making	W. E. Craig	169, 151	Oct. 26, 1875	818	265	8	703
Casting steel, Apparatus for	T. Critchlow and J. Kidd	165, 068	June 29, 1875	1172	377	7	1122
Casting tubular articles	L. P. Rider	159, 533	Feb. 9, 1875	309	100	7	234
Casting iron wrought and cast iron, Manufacture of	W. Hainsworth	169, 261	Oct. 26, 1875	916	.....	8	716
Castings, Machine for dressing	J. L. Otis	159, 526	Feb. 9, 1875	290	93	7	231
Castings, Making molds for	C. Grasser	162, 056	Apr. 13, 1875	416	.....	7	638
Castings, Process of chilling	E. A. Chubb	160, 508	Mar. 9, 1875	241	83	7	391
Castings, Rumbler for cleaning	L. I. Fodd	164, 034	May 11, 1875	298	96	7	793
Castings, Steel brush for cleaning	C. W. Jenkins	158, 498	Jan. 5, 1875	132	44	7	27
Catamenial sack	G. Meacom	168, 515	Oct. 5, 1875	178	58	8	590
Catarrh, Empirical prescription for the cure of	J. W. Harvey	169, 549	Nov. 2, 1875	194	.....	8	761
Cattle-support	F. H. Reiph	161, 825	Apr. 6, 1875	205	70	7	598
Caviar, Process of preserving	M. Ams.	169, 668	Nov. 9, 1875	347	.....	8	788
Ceiling and floor, Fire-proof	G. B. Post	163, 248	May 11, 1875	493	160	7	818
Ceiling, Metallic	H. Adler	158, 881	Jan. 19, 1875	566	170	7	110
Ceiling register and ventilator	H. M. Creamer	165, 797	July 20, 1875	653	201	8	123
Cellar-hoist or elevator	C. D. Walters	159, 233	Jan. 26, 1875	860	280	7	164
Cellars, Constructing, ventilating, and cooling	J. K. Frick	165, 486	July 13, 1875	356	104	8	64
Celluloid, Process and apparatus for softening and molding	R. F. Hunt	162, 752	May 4, 1875	15	105	7	749
Cement, Apparatus for casting hollow articles of	L. A. Tartiere	164, 057	June 1, 1875	192	99	7	957
Cement, &c., Apparatus for treating carbonic acid for hardening	G. Richardson	170, 594	Nov. 30, 1875	1264	398	8	933
Cement, Composition for	R. Warwick	169, 212	Oct. 26, 1875	864	.....	8	700
Cement, Composition for stone	A. Boag	165, 533	July 13, 1875	398	.....	8	71
Cement, Hydraulic	C. F. Dunderdale	167, 653	Sept. 14, 1875	255	79	8	419
Cement, Marble	A. Boag	167, 979	Sept. 21, 1875	549	.....	8	501
Cement-pipe	M. Stephens	158, 539	Jan. 5, 1875	163	56	7	32
Cement-pipe clamp	G. C. Nichols	162, 683	Apr. 27, 1875	1037	331	7	730
Center-board	J. L. Diekeuson	166, 970	Aug. 24, 1875	775	239	8	334
Center-board vessel	C. Hemje	158, 708	Jan. 12, 1875	330	112	7	70
Centering device	M. T. Greeuwood	167, 844	Sept. 21, 1875	433	138	8	483
Centrifugal evaporator	C. Wendel and W. Florich	158, 764	Jan. 12, 1875	377	128	7	77
Centrifugal honey-extractor	A. W. Dawley	164, 531	June 15, 1875	660	214	7	1038
Centrifugal hydro-extractor	C. C. Webber	161, 719	Apr. 6, 1875	108	39	7	585
Centrifugal machine	G. Dinkel	165, 077	June 29, 1875	1180	379	7	1123
Centrifugal machine	C. C. Webber	167, 962	Sept. 21, 1875	536	172	8	499
Centrifugal machine in sugar-manufacture	F. O. Matthiessen	166, 999	Aug. 24, 1875	804	249	8	338
Centrifugal machine in sugar-manufacture	F. O. Matthiessen	167, 000	Aug. 24, 1875	805	250	8	338
Centrifugal machine in sugar-manufacture	F. O. Matthiessen	167, 001	Aug. 24, 1875	806	250	8	339
Centrifugal sugar-machine	J. O. Donner	160, 655	Mar. 9, 1875	368	124	7	410
Chain gripe and tightener	J. V. Bonta	166, 334	Aug. 3, 1875	136	42	8	218
Chain-link	J. N. and G. J. Ackerman	159, 057	Jan. 26, 1875	700	230	7	142
Chain-link and chain	W. Roemer	169, 731	Nov. 9, 1875	410	130	8	796
Chain-link-bending machine	S. D. Locke	160, 107	Feb. 23, 1875	840	277	7	320
Chain-link, Detachable	J. Baird	169, 333	Nov. 2, 1875	7	2	8	735
Chain links, Machine for bending	C. H. and A. L. Gillingham	166, 983	Aug. 24, 1875	786	243	8	336
Chain, Ornamental	B. Hershey	166, 375	Aug. 3, 1875	176	53	8	224
Chain-swivels, Die for making	C. Thery	161, 297	Mar. 23, 1875	983	321	7	508
Chain-swivels, Die for making the heads of	P. H. Standish	159, 619	Feb. 9, 1875	358	118	7	242
Chains, Machine for making ornamental	W. C. Edge	164, 366	June 15, 1875	513	169	7	1020
Chair:	G. Trinks	166, 432	Aug. 3, 1875	235	72	8	232
See Adjustable and reversible chair.	Pivot-chair.						
Barber's chair.	Railway-chair.						
Child's walking-chair.	Reclining-chair.						
Convertible chair.	Reclining-chair.						
Dental chair.	Revolving chair.						
Dentist's chair.	Rocking-chair.						
Folding chair.	School-house chair.						
Invald-chair.	Sheep-shearing chair.						
Iron chair.	Ship's chair.						
Nursery-chair.	Spring-chair.						
Opera-chair.	Tilting chair.						
Chair	B. F. Allen	162, 001	Apr. 13, 1875	367	124	7	631
Chair	A. H. Brick	168, 828	Oct. 19, 1875	498	162	8	651
Chair	W. T. Doremus	159, 806	Feb. 16, 1875	551	183	7	273
Chair	J. V. Meigs	160, 934	Mar. 16, 1875	638	208	7	453
Chair	H. Renpke	160, 555	Aug. 10, 1875	357	110	8	277
Chair	A. B. Stevens	171, 186	Dec. 14, 1875	501	166	8	1024
Chair	T. Tosterin	169, 065	Oct. 19, 1875	715	236	8	681
Chair and lounge, Combined	H. Willgohs	161, 081	Mar. 23, 1875	776	256	7	481
Chair and step-ladder, Combined	C. B. Bawson	165, 688	July 20, 1875	554	169	8	109
Chair-back-shaping machine	H. Buchter	166, 184	Aug. 3, 1875	3	2	8	199
Chair-base	W. T. Doremus	163, 054	May 11, 1875	314	101	7	795
Chair-base	W. T. Doremus	165, 717	July 20, 1875	580	177	8	113
Chair-base	W. T. Doremus	165, 718	July 20, 1875	580	178	8	113
Chair, &c., bottom	C. D. Flepet	163, 760	May 25, 1875	9-5	312	7	997
Chair bottom	T. Testevin	169, 064	Oct. 19, 1875	714	236	8	681
Chair-fastening	L. D. Craig	170, 470	Nov. 30, 1875	1145	361	8	918
Chair foot-rest	T. Head	158, 637	Jan. 12, 1875	268	90	7	62
Chair foot-rest	T. A. Johnsen	165, 932	July 27, 1875	894	246	8	155
Chair foot-rest	J. H. Travis	168, 298	Sept. 28, 1875	873	279	8	553



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Chair foot-rest, Easy	P. L. Lambert	161, 887	Apr. 13, 1875	274	92	7	619
Chair-round-making machine	J. W. Millet	161, 144	Mar. 23, 1875	840	274	7	489
Chair-round-tenoning machine	G. W. Parker	161, 818	Apr. 6, 1875	198	67, 68	7	597
Chair-seat	L. Atwood	169, 944	Nov. 16, 1875	631	196	8	831
Chair-seat	C. Brown	160, 643	Mar. 9, 1875	357	120	7	409
Chair-seat	P. Buckley	171, 212	Dec. 21, 1875	558	183	8	1040
Chair-seat	H. A. Moore	161, 699	Apr. 6, 1875	93	33	7	582
Chair-seat	W. F. Spencer	162, 708	Apr. 27, 1875	1061	338	7	733
Chair-seat, Detachable	W. W. St. John	165, 516	July 13, 1875	382	113	8	68
Chair-seat material	D. H. Donovan	169, 528	Nov. 2, 1875	184	62	8	760
Chair spring attachment	R. H. Ober	165, 684	July 20, 1875	550	168	8	108
Chair spring-bottom	T. Noonan	166, 133	July 27, 1875	994	307	8	182
Chairs, Mechanism for supporting leg-rests for	G. D. Goss	167, 095	Aug. 24, 1875	897	279	8	351
Chairs, Writing-desk for	J. A. Park and W. Woodhouse	162, 097	Apr. 13, 1875	450	150	7	642
Champagne-freezer	C. H. Ludwig	166, 996	Aug. 24, 1875	862	249	8	338
Chandelier	R. Marsh	168, 573	Oct. 11, 1875	258	84	8	608
Chandelier	J. Matthews	170, 872	Dec. 7, 1875	191	66	8	976
Chandelier	F. McLewee	167, 921	Sept. 21, 1875	505	161	8	494
Chandelier	F. S. Shirley	170, 194	Nov. 23, 1875	880	275	8	872
Chandelier, Drop-light	G. F. Blaisse	162, 889	May 4, 1875	138	45	7	765
Chandeliers, Friction-clutch for extension	E. C. Bruen	167, 894	Sept. 21, 1875	552	178	8	501
Charcoal and bone-black heater and cooler	J. Gandolfo	165, 993	July 27, 1875	862	265	8	163
Charcoal-kiln	W. Sparrow	163, 700	May 25, 1875	933	296	7	900
Charcoal, Manufacturing animal	O. Lugo	165, 344	July 6, 1875	184		8	34
Check-box and cash-indicator, Combined	W. I. Ripley	171, 244	Dec. 21, 1875	587	193	8	1044
Check-roller	V. Horne	161, 232	Mar. 23, 1875	920	301	7	500
Check-roller	L. J. Odell	167, 557	Sept. 7, 1875	156	49	8	428
Check-roller	J. Thomson	169, 865	Nov. 9, 1875	548	171	8	813
Cheese-cutter	M. Phillips	158, 518	Jan. 5, 1875	158	50	7	29
Cheese-cutter	J. W. Row	165, 760	July 20, 1875	615	189	8	118
Cheese-making	A. L. Larrabee and J. M. Jocelyn	162, 667	Apr. 27, 1875	1017		7	728
Cheese-mill	J. F. Landis	159, 129	Jan. 26, 1875	819	269	7	159
Cheese-preserver	J. Q. Black	170, 222	Nov. 23, 1875	906	282	8	876
Cheese-preserver	J. Q. Black	170, 223	Nov. 23, 1875	907	282	8	876
Cheese-press	G. C. Dolph and F. J. Smith	166, 512	Aug. 10, 1875	325	98	8	253
Cheese-protector	D. A. Wells	168, 437	Oct. 5, 1875	101	35	8	379
Cheese-vat	A. B. Armstrong	162, 003	Apr. 13, 1875	370	124	7	632
Cheese-vat	C. W. F. Street	166, 946	Aug. 24, 1875	750	232	8	331
Cheese-vat heater	L. A. Sunderland	161, 176	Mar. 23, 1875	866	283	7	492
Chemise	O. Westcott	164, 408	June 15, 1875	556	181	7	1025
Chemist's test apparatus	C. Fahlberg	169, 348	Nov. 2, 1875	25	7	8	738
Cherry-pitter	W. B. Knapp	158, 421	Jan. 5, 1875	60	21	7	17
Cherry-stoner	S. A. Darrach	169, 525	Nov. 2, 1875	181	61	8	759
Child's walking-chair	G. P. Steinbach	159, 976	Feb. 16, 1875	705	234	7	293
Chill	W. J. Welling	166, 324	Aug. 3, 1875	126	39	8	217
Chimney and ventilator, Combined	L. B. Silver	159, 285	Feb. 2, 1875	38	14	7	190
Chimney-cap	J. Gorten	160, 668	Mar. 9, 1875	378	128	7	412
Chimney-cap	A. R. Hussey	158, 942	Jan. 19, 1875	568	188	7	117
Chimney-cowl	E. Cole	166, 968	Aug. 24, 1875	773	238	8	334
Chimney-cowl	T. K. Griffith	168, 738	Oct. 11, 1875	409	133	8	630
Chimney-cowl	A. J. Robinson	161, 704	Apr. 6, 1875	96	34	7	583
Chimney-cowl	A. J. Robinson	165, 028	June 29, 1875	1136	366	7	1117
Chimney-cowl	J. Tomlinson	159, 719	Feb. 9, 1875	450	150	7	255
Chimney-guard	R. Priseum	158, 602	Jan. 12, 1875	238	80	7	57
Chimney-jack	F. M. Campbell	158, 360	Jan. 5, 1875	9	3	7	10
Chimney soot-arrester	M. Brinkerhoff	167, 602	Sept. 14, 1875	211	65	8	443
Chimney-stock	T. C. Nativel	168, 520	Oct. 5, 1875	182	59	8	590
Chimney-top	H. Becker	160, 074	Feb. 23, 1875	815	268	7	316
Chimney-top	C. W. Muogger	159, 344	Feb. 2, 1875	95	33	7	197
Chimney top and ventilator	F. H. Shine	166, 725	Aug. 17, 1875	533	163	8	291
Chimney-ventilator	G. Howes	160, 533	Mar. 9, 1875	254	87	7	394
Chimney-ventilator	P. Mihan	168, 169	Sept. 28, 1875	762	241	8	537
China, Process for ornamenting	S. M. Adams	167, 289	Aug. 31, 1875	1088		8	385
Chisel, Mortising	A. R. Watterson	168, 358	Oct. 5, 1875	34	13	8	569
Chlorine, Manufacture of	H. Deacon	165, 801	July 20, 1875	658		8	124
Chlorine, Manufacture of	H. Deacon	165, 802	July 20, 1875	659		8	124
Chronometer, Solar	M. Wheeler	170, 423	Nov. 23, 1875	1085	341	8	901
Chronometers, watches, &c., Regulating	L. Eaton	163, 981	June 1, 1875	117	39, 40	7	947
Chopper							
<i>See</i> Cotton-chopper. Meat-chopper.							
Chuck	H. A. Keinball	169, 007	Oct. 19, 1875	661	217	8	674
Chuck	G. W. Moulton	171, 160	Dec. 14, 1875	481	157	8	1032
Chuck	E. S. Perot and H. C. Beitenman	167, 018	Aug. 2, 1875	822	256	8	341
Chuck	C. H. Powers	164, 658	June 22, 1875	783	256	7	1064
Chuck and centerer	G. F. Ballou	171, 082	Dec. 14, 1875	403	133	8	1011
Chuck and centerer	J. R. Mason	166, 538	Aug. 10, 1875	314	105	8	256
Chuck, Drill	N. W. Horton	161, 616	Apr. 6, 1875	24	10	7	572
Chuck, Drill	J. O. Reilly	160, 954	Mar. 16, 1875	657	214	7	436
Chuck for holding eccentrics while being turned	W. B. Smith	167, 277	Aug. 31, 1875	1077	336	8	384
Chuck for making swelled tenons	A. D. Ruff	161, 706	Apr. 6, 1875	98	34	7	523
Chuck for veneer-cutting machines, Compound	E. J. Granger	162, 913	May 4, 1875	161	52	7	768
Chuck, Metal-drill	T. Hoppe	171, 383	Dec. 21, 1875	711	235	8	1060
Chuck, Metal-drill	G. M. Pratt	164, 042	June 1, 1875	166	59	7	953
Chuck, Planer	J. C. Mulberry	167, 618	Sept. 14, 1875	224	70	8	445
Chuck, Planer	A. B. Prouty, L. Coes, and G. C. Taft	164, 934	June 29, 1875	1060	342	7	1107
Chuck, Planer	H. Thomas	168, 064	Sept. 21, 1875	647	205	8	514
Chuck, Planing	G. V. Seaver	167, 572	Sept. 7, 1875	169	53	8	430
Chuck, Rock-drill	J. C. Githens	164, 991	June 29, 1875	1106	357	7	1113
Chuck, Rock-drill	G. H. Reynolds and W. Tefft	163, 257	May 11, 1875	500	163	7	819
Chuck, Rock-drill	H. Thomas	168, 938	Oct. 19, 1875	598	198	8	665
Chuck, Scroll	J. H. Westcott	159, 989	Feb. 16, 1875	720	239	7	295
Church-pew	I. Laucaster	167, 910	Sept. 21, 1875	498	158	8	492
Churn	D. C. Bailey	160, 139	Feb. 23, 1875	867	286	7	324
Churn	J. C. Baker	168, 123	Sept. 22, 1875	719	226	8	530

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Churn	F. H. Boggs	168, 218	Sept. 28, 1875	803	256	8	543
Churn	D. M. D. D. Brown	171, 265	Dec. 21, 1875	608	199	8	1046
Churn	J. Butler	166, 745	Aug. 17, 1875	552	169	8	294
Churn	J. F. Coe	167, 500	Sept. 7, 1875	102	32	8	421
Churn	J. E. Finley	158, 365	Jan. 5, 1875	14	5	7	10
Churn	D. W. George and J. J. Stutzman	160, 418	Mar. 2, 1875	144	50	7	369
Churn	E. Groat	167, 893	Sept. 21, 1875	486	153	8	490
Churn	A. D. Grose	168, 392	Oct. 5, 1875	66	21	8	574
Churn	G. P. Herndon	161, 230	Mar. 23, 1875	917	300	7	500
Churn	E. Husher	168, 024	Sept. 21, 1875	594	190	8	507
Churn	T. B. Jewett	161, 794	Apr. 6, 1875	174	60	7	594
Churn	M. Jinks	162, 560	Apr. 27, 1875	921	295	7	716
Churn	W. P. Jones	168, 748	Oct. 11, 1875	416	135	8	631
Churn	P. La Tourrette	161, 525	Mar. 30, 1875	1220	392	7	546
Churn	W. P. Mangum	167, 918	Sept. 21, 1875	504	160	8	493
Churn	J. W. McClure	167, 774	Sept. 14, 1875	367	116	8	465
Churn	A. Meyer	159, 600	Feb. 9, 1875	343	114	7	240
Churn	A. Oot	162, 494	Apr. 27, 1875	866	278	7	709
Churn	C. W. Patton	161, 613	Apr. 6, 1875	39	15	7	574
Churn	V. W. Pickett	162, 098	Apr. 13, 1875	451	150	7	642
Churn	B. F. Price	162, 308	Apr. 20, 1875	662	216	7	676
Churn	W. Redheffer	166, 893	Aug. 17, 1875	687	213	8	313
Churn	H. A. Simison	161, 166	Mar. 23, 1875	857	280	7	491
Churn	J. W. Simmons	160, 288	Mar. 2, 1875	28	11	7	353
Churn	I. E. Smith	168, 533	Oct. 5, 1875	195	64	8	592
Churn	J. Watson	171, 331	Dec. 21, 1875	662	218	8	1053
Churn	J. L. Wilson	159, 878	Feb. 16, 1875	617	204	7	282
Churn-cap	W. Mance	167, 264	Aug. 31, 1875	1067	332	8	382
Churn-dasher	J. D. Bright and J. N. De Guire	167, 493	Sept. 7, 1875	97	30	8	420
Churn-dasher	R. M. Case	171, 097	Dec. 14, 1875	418	139	8	1014
Churn-dasher	G. W. Eichholtz	167, 512	Sept. 7, 1875	114	36	8	423
Churn-dasher	J. E. Finley	158, 364	Jan. 5, 1875	14	5	7	10
Churn-dasher	W. H. Silver	164, 491	June 15, 1875	628	203	7	1034
Churn-dasher	E. Steadman	170, 126	Nov. 16, 1875	792	251	8	854
Churn-dasher	J. R. Underwood	171, 069	Dec. 14, 1875	391	130	8	1009
Churn-dasher, Reciprocating	H. A. Stearns	166, 231	Aug. 3, 1875	43	14	8	205
Churn-dasher, Reciprocating	I. J. Whitlatch	166, 436	Aug. 3, 1875	239	73	8	233
Churn-dasher, Rotary	W. C. Chamberlain	164, 143	June 8, 1875	289	99	7	981
Churn-dasher, Rotary	J. J. Robinson	161, 215	June 8, 1875	352	120	7	990
Churn, &c., motor	H. Odell	160, 461	Mar. 2, 1875	183	63	7	375
Churn, Reciprocating	G. De Nottbeck	163, 365	May 18, 1875	630	198	7	851
Churn, Reciprocating	E. A. Firby, jr.	168, 976	Oct. 19, 1875	632	209	8	670
Churn, Reciprocating	A. Goodnough and T. T. Dernen	165, 500	July 13, 1875	421	127	8	75
Churn, Reciprocating	W. Howe	162, 821	May 4, 1875	78	25	7	757
Churn, Reciprocating	W. H. McKinley	170, 877	Dec. 7, 1875	195	67	8	977
Churn, Reciprocating	W. H. Price and R. Hoover	164, 034	June 1, 1875	168	50, 60	7	954
Churn, Reciprocating	D. Rowland	165, 954	July 27, 1875	822	252	8	157
Churn, Rotary	J. L. Barden and S. Crudden	166, 181	Aug. 3, 1875	1	1	8	199
Churn, Rotary	S. S. Beekly	162, 995	May 11, 1875	259	84	7	789
Churn, Rotary	J. Goodman	164, 293	June 8, 1875	430	143	7	999
Churn, Rotary	H. Felt and P. P. Child	165, 086	June 29, 1875	116	382	7	1134
Churn, Rotary	W. R. Lampton	168, 506	Oct. 5, 1875	169	54	8	588
Churn, Rotary	T. Landt	165, 739	July 20, 1875	597	183	8	115
Churn, Rotary	O. M. Merrick	164, 387	June 15, 1875	532	175	7	1032
Churn, Rotary	M. Payne	169, 835	Nov. 9, 1875	520	162	8	1109
Churn, Rotary	J. J. Shelton	165, 033	June 29, 1875	1140	365	7	808
Churn, Rotary	C. H. Warren	162, 723	Apr. 27, 1875	1083	343	7	736
Churn stand, Barrel	J. H. Dumbarr	164, 535	June 15, 1875	663	214	7	1039
Churns, Cream-saver for reciprocating	R. Whiting	159, 237	Jan. 26, 1875	863	281	7	165
Chute for discharging coal from vehicles	D. P. Bitner	169, 618	Nov. 9, 1875	293	95	8	782
Chute reverser, Drop	J. B. Crowthers and W. R. Wilkies	160, 308	Mar. 2, 1875	45	17	7	355
Cider and wine press	J. S. Bogle	162, 609	Apr. 27, 1875	961	309	7	721
Cider, Manufacturing	W. H. Gilmore	163, 182	May 11, 1875	431	111	7	811
Cider-mill	J. Bowen	166, 251	Aug. 3, 1875	60	19	8	207
Cider-mill	E. Curtiss	160, 397	Mar. 2, 1875	122	45	7	366
Cider-mill	T. A. Galt and G. S. Tracy	164, 644	June 22, 1875	771	253	7	1062
Cider-mill and press	H. Krumsick	170, 275	Nov. 23, 1875	952	298	8	883
Cider-mill	D. F. Emry	161, 397	Mar. 30, 1875	1098	356	7	530
Cider, &c., press	H. Krumsick	163, 085	May 11, 1875	341	111	7	799
Cider-press	L. D. Rockwood	171, 633	Dec. 28, 1875	977	316	8	1104
Cider-press	H. Sells	164, 045	June 1, 1875	178	64	7	955
Cider-press	D. C. Starks	162, 237	Apr. 20, 1875	618	201	7	670
Cigar	M. Rosenthal	170, 901	Dec. 7, 1875	215	75	8	980
Cigar	S. S. Wilcox and C. F. Carr	168, 310	Sept. 28, 1875	884	282	8	554
Cigar-box	B. Ash	163, 438	May 18, 1875	681	217	7	860
Cigar-box	C. S. Brown	169, 769	Nov. 9, 1875	455	143	8	802
Cigar-box	W. Ellis	165, 664	July 20, 1875	534	163	8	106
Cigar-box	C. Glund	162, 284	Apr. 20, 1875	641	209	7	673
Cigar-box	S. Heineman	166, 100	July 27, 1875	962	296	8	177
Cigar-box	S. Jacoby	159, 825	Feb. 16, 1875	566	188	7	275
Cigar-box	M. Lichtenstein	166, 534	Aug. 10, 1875	341	104	8	255
Cigar-box lock	H. Silberman	168, 112	Sept. 28, 1875	706	223	8	529
Cigar-boxes, Revenue-guard for	O. T. Earle	167, 752	Sept. 14, 1875	345	109	8	462
Cigar bunching and wrapping machine	B. H. Meyer	162, 674	Apr. 27, 1875	1023	327	7	729
Cigar-bunching machine	J. Battis, 2d	160, 380	Mar. 2, 1875	108	39	7	364
Cigar-bundling machine	N. Du Brul	166, 591	Aug. 10, 1875	389	120	8	262
Cigar-cutter	J. Shepard	171, 584	Dec. 28, 1875	915	300	8	1097
Cigar-lighter, Glass	W. A. Gorby	168, 981	Oct. 19, 1875	637	210	8	671
Cigar-lighters, Machine for making	N. Fuller	168, 845	Oct. 19, 1875	504	164	8	652
Cigar-machine	R. Appleby	165, 911	July 27, 1875	779	239	8	153
Cigar-machine	F. H. Donath and C. E. F. Jasper	169, 786	Nov. 9, 1875	472	149	8	804
Cigar-machine	W. E. Hennaman	167, 243	Aug. 31, 1875	1050	326	8	380

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Cigar-machine	C. Talbotclarko	170, 030	Nov. 16, 1875	699	320	8	841
Cigar-machine	J. Wettstein	160, 492	Mar. 2, 1875	213	74	7	379
Cigar-maker's paste-box	M. Wilhelm	167, 376	Aug. 31, 1875	1166	367	8	397
Cigar-mold	R. Appleby	161, 651	Apr. 6, 1875	55	20	7	577
Cigar-mold	J. D. Culp	169, 778	Nov. 9, 1875	462	146	8	803
Cigar-mold	N. Du Brul	159, 165	Jan. 26, 1875	793	260	7	155
Cigar-mold	N. Du Brul	164, 981	June 29, 1875	1097	354	7	1112
Cigar-mold	W., A., and A. Osenbruck	158, 513	Jan. 5, 1875	144	48	7	29
Cigar-mold	S. Simonson	166, 154	July 27, 1875	1015	313	8	185
Cigar-mold	H. Voltz	169, 207	Oct. 26, 1875	860	280	8	710
Cigar-mold fastening	S. Simonson	162, 701	Apr. 27, 1875	1055	336	7	733
Cigar-mold press	J. Simpson	166, 643	Aug. 10, 1875	437	135	8	269
Cigar-molds, Machine for charging	N. Dubrul	161, 015	Mar. 23, 1875	716	236	7	474
Cigar-molds, Machinery for making	T. D. McGuire	171, 152	Dec. 14, 1875	475	155	5	1021
Cigar mouth-piece	J. Campbell	163, 358	May 18, 1875	613	196	7	851
Cigar mouth-piece	C. Reimisch	169, 119	Oct. 26, 1875	791	256	8	699
Cigar-packing implement	S. Jacoby	159, 929	Feb. 16, 1875	663	219	7	288
Cigar-pipe	R. L. Weed	169, 501	Nov. 2, 1875	159	53	8	757
Cigar-press	W. P. Smith	163, 272	May 11, 1875	515	167	7	821
Cigar-press	F. Svoboda and F. Luxa	161, 715	Apr. 6, 1875	105	38	7	584
Cigar, Self-lighting	C. L. Ridgway	159, 709	Feb. 9, 1875	441	148	7	254
Cigar-tip	F. Bourne	163, 141	May 11, 1875	392	126	7	806
Cigar-tip cutter and and watch-charm, Combined	E. F. W. Eisenmann	164, 984	June 29, 1875	1099	355	7	1112
Cigar-wraper knife	J. E. Brechbiel	162, 792	May 4, 1875	56	18	7	754
Cigars, Case for freshing	W. E. Chandlee and E. H. King	164, 806	June 22, 1875	919	298	7	1082
Cigars, Packing	S. Jacoby	158, 714	Jan. 12, 1875	336	115	7	71
Cigars, Packing	E. Norton	163, 395	May 18, 1875	646	207	7	855
Cigarette-maker	J. Shepard	168, 790	Oct. 11, 1875	452	147	8	636
Cigarette mouth-piece	D. Marquis	170, 732	Dec. 7, 1875	90	29	8	962
Circuit-closer, Electrical	L. L. Duerden	163, 753	May 25, 1875	990	310	7	906
Circus-seat	G. T. Fisher	168, 631	Oct. 11, 1875	315	102	8	616
Circus-seat	W. H. Shuey	163, 537	May 18, 1875	779	247	7	872
Cistern	J. S. Snider	159, 364	Feb. 2, 1875	111	38	7	199
Cistern-cover	S. Haffter	165, 997	July 27, 1875	864	266	8	163
Cistern-supply regulator, Automatic	T. Van Kannel	161, 457	Mar. 30, 1875	1151	371	7	537
Cistern-top and filter, Combined	E. D. Stacey	158, 605	Jan. 12, 1875	240	81	7	58
Cisterns, Apparatus for walling	F. Wilford	159, 239	Jan. 26, 1875	865	282	7	165
Clamp:							
<i>See</i> Bale-tie clamp.	Halter-clamp.						
Book-clamp.	Hose-clamp.						
Boot-clamp.	Joiner's clamp.						
Button-hole-guido clamp.	Leaf-pressing clamp.						
Candle-holder clamp.	Planking-clamp.						
Cement-pipe clamp.	Quilting-frame clamp.						
Clothes-clamp.	Rubber-dam clamp.						
Core-anchoring clamp.	Saw-clamp.						
Floor-clamp.	Scaffold-clamp.						
Flooring-clamp.	Soldering-clamp.						
	Thill-coupling clamp.						
	Trunk-corner clamp.						
Clamp	C. H. Fuchs	163, 006	May 11, 1875	268	87	7	790
Clamp	S. Kuh	160, 778	Mar. 16, 1875	505	164	7	436
Clamp	S. Rydbeck	160, 960	Mar. 16, 1875	661	216	7	457
Clamp	T. Sandbach	167, 127	Aug. 24, 1875	923	258	8	355
Clamp	J. J. Squire	162, 866	May 4, 1875	119	39	7	762
Clamp	W. L. Walker and E. G. Devoe	168, 593	Oct. 11, 1875	276	90	8	610
Clamping-device	J. R. Maxwell and C. A. Scott	162, 180	Apr. 20, 1875	548	180	7	662
Clams and oysters for food, Preparing	C. Alden	168, 703	Oct. 11, 1875	374	.....	8	625
Clasp:							
<i>See</i> Apparel-clasp.	Stocking or skirt snp- porter clasp.						
Book-clasp.	Stocking-supporter clasp.						
Corset-clasp.	Ticket-clasp.						
Dress-supporter clasp.	Whip-socket clasp.						
Glove-clasp.	Window-shade clasp.						
Pocket-book clasp.							
Scarf-slide clasp.							
Clasp	G. Frost and G. H. Phelps	169, 983	Nov. 16, 1875	661	207	8	836
Clasp	J. Perkins	171, 314	Dec. 21, 1875	649	213	8	1051
Claw-bar	A. Shaw	166, 818	Aug. 17, 1875	614	190	8	303
Clay pipes and apparatus for molding the same	W. K. Black	159, 140	Jan. 26, 1875	778	255	7	153
Clay-press	J. Watson	169, 871	Nov. 9, 1875	553	173	8	814
Clay, &c., pulverizing machine	J. K. Caldwell	167, 742	Sept. 14, 1875	330	106	8	460
Clay-pulverizing machine	J. N. Kerper	170, 742	Dec. 7, 1875	80	25, 26	8	961
Cleaner:							
<i>See</i> Boiler-fine cleaner.	Flue-cleaner.						
Boiler-tube cleaner.	Grain-cleaner.						
Boot and shoe cleaner.	Grass-seed cleaner.						
Carpet-cleaner.	Knife-cleaner.						
Cotton-cleaner.	Plow-colter cleaner.						
Cotton-seed cleaner.	Tube-cleaner.						
Cleaning-compound	D. McGugin, J. R. Lybarger, and F. M. Hibbets.	170, 682	Dec. 7, 1875	27	.....	8	954
Cleat and hawser clamp, Combined	F. W. Hofele	170, 628	Nov. 30, 1875	1296	409	8	938
Clevis	C. H. Foss	159, 662	Feb. 9, 1875	397	132	7	247
Clevis	E. O. Harvey	159, 549	Feb. 9, 1875	307	99	7	234
Clevis	J. G. Miller	170, 758	Dec. 7, 1875	95	31	8	963
Clevis-pins, Manufacture of.	W. J. Lewis	170, 481	Nov. 30, 1875	1155	364	8	919
Clevis, Safety.	C. N. Poundstone	165, 253	July 6, 1875	102	30	8	23
Clip:							
<i>See</i> Axle-clip.	Harness-clip.						
Book-clip.	Paper-clip.						
Carriage-clip.	Tramway-clip.						
Double-tree clip.	Whiffletree-clip.						

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Clipper, Animal	T. L. Phipps	166, 631	Aug. 10, 1875	424	{ 131 132 }	8	267
Clock	R. H. Strong	162, 430	Apr. 20, 1875	784	255	8	690
Clock, Calendar	A. A. Cowles	165, 548	July 13, 1875	411	124	8	73
Clock, Calendar	L. L. Kellogg	165, 840	July 20, 1875	704	214	8	129
Clock, Calendar	W. A. Terry	165, 432	July 13, 1875	301	89	8	57
Clock, Calendar-movement	T. H. Mott	161, 813	Apr. 6, 1875	193	65	7	597
Clock-case	H. J. Davies	161, 211	Mar. 23, 1875	893	293	7	497
Clock-case	W. N. Weeden	167, 963	Sept. 21, 1875	537	172	8	499
Clock, Electric	E. Clark	171, 098	Dec. 14, 1875	418	139	8	1014
Clock, Electric	D. F. Sweet	169, 057	Oct. 19, 1875	708	234	8	680
Clock-escapement	G. W. White and W. I. Leary	163, 125	May 11, 1875	377	122	7	804
Clock frame or case	H. J. Davies	159, 160	Jan. 26, 1875	789	259	7	155
Clock, Geographical.	S. J. Wallace	170, 212	Nov. 23, 1875	895	280	8	874
Clock-movement holder	W. H. Brickett	158, 619	Jan. 12, 1875	252	85	7	60
Clock, Pendulum	F. Eckel	161, 674	Apr. 6, 1875	75	26	7	579
Clock, Pendulum	Y. Himmer	163, 568	June 1, 1875	29	9	7	934
Clock-striking mechanism	G. H. Blakesley	162, 018	Apr. 13, 1875	381	128	7	633
Clock-striking mechanism	A. Schmidt	171, 583	Dec. 28, 1875	914	299	8	1096
Clock, Tower	C. Fasoldt	165, 991	July 27, 1875	859	264	8	162
Clock-winding device	E. Farcot	166, 518	Aug. 10, 1875	329	100	8	253
Clock-work, Electric circuit-breaking	D. Rousseau	168, 185	Sept. 28, 1875	775	246	8	539
Clock-work, Electric winding mechanism for	J. W. Wignall	165, 396	July 6, 1875	243	73, 74	8	41
Clocks, Globe attachment to	H. Fick	169, 687	Nov. 9, 1875	372	116	8	791
Clocks, Lock-work attachment to	R. T. Andrews	171, 496	Dec. 28, 1875	836	274	8	1085
Clocks, Lock-work attachment to	E. C. Covell and M. M. Robinson	168, 620	Oct. 11, 1875	301	98	8	615
Claset:							
See Earth-closet.	Water-closet.						
Cloth bag	T. W. Griener	164, 549	June 15, 1875	677	220	7	1041
Cloth bag	T. W. Griener	164, 550	June 15, 1875	678	220	7	1041
Cloth-cutting machine	C. F. Harlow	162, 547	Apr. 27, 1875	910	{ 291 292 }	7	714
Cloth-cutting machine	A. Warth	165, 636	July 13, 1875	493	{ 150 151 }	8	85
Cloth for japanning, Clasp for uniting ends of	B. Atha	166, 059	July 27, 1875	918	284	8	171
Cloth friezing machine	G. G. Bishop	161, 528	Apr. 6, 1875	2	1	7	569
Cloth-friezing machine	G. G. Bishop	165, 657	July 20, 1875	526	161	8	105
Cloth-napping machine	B. Thackrah	169, 742	Nov. 9, 1875	422	134	8	798
Cloth, &c., Plate for guiding a hand-knife in cutting	J. Lacmann	158, 801	Jan. 19, 1875	435	145	7	100
Cloth press	W. Hebdon	168, 017	Sept. 21, 1875	587	188	8	506
Cloth-pressing machine	W. Hebdon	160, 594	Mar. 9, 1875	315	107	7	403
Cloth-scouring machine	C. Franke	167, 396	Sept. 7, 1875	16	5	8	409
Cloth-shearing machine	L. L. Holmes	160, 825	Mar. 16, 1875	547	{ 177 178 }	7	441
Cloth-steaming machine	J. Shinn	164, 697	June 22, 1875	821	268	7	1069
Cloth steaming, smoothing, and drying machine	W. Hebdon	165, 576	July 13, 1875	435	132	8	77
Cloth-tenuring machine	W. H. Palmer, jr	164, 587	June 15, 1875	708	230	7	1046
Cloth-testing machine	W. Hebdon	166, 366	Aug. 3, 1875	162	50	8	222
Cloth winding and measuring machine	J. Wayland	162, 438	Apr. 20, 1875	791	257	7	691
Cloth-winding machine	S. C. Dickison	169, 240	Oct. 26, 1875	893	290	8	714
Clothes and hat rack	R. R. Dorr	158, 476	Jan. 5, 1875	111	37	7	24
Clothes and quilting frame, Combined	M. Chnrchill	160, 306	Mar. 2, 1875	43	16	7	355
Clothes-clamp	G. W. Kniffin	167, 673	Sept. 14, 1875	270	85	8	431
Clothes-clamps, Machine for slitting and drilling	M. Pratt	170, 394	Nov. 23, 1875	1059	333	8	897
Clothes-drier	W. Adams	169, 939	Nov. 16, 1875	626	194	8	831
Clothes-drier	G. Bent	163, 353	May 18, 1875	610	195	7	850
Clothes-drier	W. Bloomer	163, 972	June 1, 1875	110	37	7	946
Clothes-drier	A. Brogonier	168, 605	Oct. 11, 1875	287	93	8	612
Clothes-drier	G. A. Brooks	169, 517	Nov. 2, 1875	175	58	8	759
Clothes-drier	H. J. Brown	170, 812	Dec. 7, 1875	111	47	8	969
Clothes-drier	F. M. Clark	170, 235	Nov. 23, 1875	918	286	8	877
Clothes-drier	G. W. Green	170, 253	Nov. 23, 1875	935	291	8	880
Clothes-drier	M. C. Griffith	161, 406	Mar. 30, 1875	1106	358	7	531
Clothes-drier	C. Hanser	164, 733	June 22, 1875	853	277	7	1073
Clothes-drier	E. S. Heath	163, 928	June 1, 1875	76	25	7	941
Clothes-drier	J. P. Hill	165, 674	July 20, 1875	542	165	8	107
Clothes-drier	C. Howes	159, 823	Feb. 16, 1875	565	198	7	275
Clothes-drier	S. R. Kidder	168, 751	Oct. 11, 1875	419	137	8	632
Clothes-drier	M. N. Lovell	167, 615	Sept. 14, 1875	222	69	8	444
Clothes-drier	S. P. Mecay	168, 658	Oct. 11, 1875	339	110	8	620
Clothes-drier	G. Myers	168, 843	Oct. 19, 1875	511	167	8	653
Clothes-drier	H. V. Osborne and R. Hay	168, 178	Sept. 28, 1875	769	244	8	538
Clothes-drier	T. G. Saint	170, 495	Nov. 30, 1875	1165	{ 367 368 }	8	921
Clothes-drier	C. Schifferly	167, 694	Sept. 14, 1875	238	91	8	454
Clothes-drier	C. T. Shafer	158, 392	Jan. 5, 1875	35	13	7	14
Clothes-drier	J. Sntton	167, 708	Sept. 14, 1875	302	96	8	456
Clothes-drier	J. Theobald	164, 338	June 8, 1875	471	156	7	1005
Clothes-drier	L. A. Wait	168, 688	Oct. 11, 1875	360	118	8	624
Clothes-drier	I. Whipple	160, 980	Mar. 16, 1875	677	232	7	459
Clothes-drier	H. Winter	166, 053	July 27, 1875	913	282	8	170
Clothes frame	P. Cameron	160, 156	Feb. 23, 1875	883	291	7	326
Clothes-frame	J. H. Chadwick	160, 160	Feb. 23, 1875	886	292	7	326
Clothes-frame	G. G. Crowley	167, 072	Aug. 24, 1875	870	271	8	343
Clothes-frame	C. T. Rowe	161, 554	Mar. 30, 1875	1245	400	7	550
Clothes-frame	C. F. Smith	160, 339	Mar. 2, 1875	91	33	7	362
Clothes-frame	C. T. Whipple	161, 649	Apr. 6, 1875	53	20	7	576
Clothes-frame	A. Wright	160, 046	Feb. 23, 1875	790	260	7	312
Clothes-line	T. S. Carey	159, 076	Jan. 26, 1875	718	237	7	145
Clothes-line fastener	H. Moss	167, 350	Aug. 31, 1875	1141	359	8	393
Clothes-line prop.	C. C. Schwaner	170, 775	Dec. 7, 1875	111	35	8	965
Clothes-line reel	C. L'Homme-dieu	169, 453	Nov. 2, 1875	118	38	8	751
Clothes-line reel	E. D. Richardson	166, 478	Aug. 10, 1875	297	89	8	248
Clothes-line reel	A. Thompson	165, 696	July 20, 1875	561	171	8	116
Clothes-line support	J. N. Fuller	160, 315	Mar. 2, 1875	55	20	7	356
Clothes-pin	G. R. Farrington and B. S. Potter	160, 661	Mar. 9, 1875	363	126	7	411

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Clothes-pin.....	H. C. Hill.....	168,332	Oct. 5, 1875	15	6	8	566
Clothes-pin.....	E. F. Krelwitz.....	164,461	June 15, 1875	604	195	7	1031
Clothes-pin.....	H. H. Mason.....	170,579	Nov. 30, 1875	1248	393	8	931
Clothes-pin.....	W. H. Mayo.....	161,138	Mar. 23, 1875	836	272	7	488
Clothes-pin.....	U. D. Mihills.....	166,022	July 27, 1875	885	274	8	167
Clothes-pin.....	D. F. Porter.....	160,840	Mar. 16, 1875	559	181	7	443
Clothes-pin.....	G. Topping.....	166,160	July 27, 1875	1021	314	8	186
Clothes-pin machine.....	J. W. Millet.....	160,783	Mar. 16, 1875	513	166	7	436
Clothes-pouder.....	S. M. Allen.....	168,206	Sept. 28, 1875	795	252	8	542
Clothes-pouder.....	W. H. Castle.....	163,739	May 25, 1875	969	306	7	904
Clothes-pouder.....	E. Crowell.....	169,963	Nov. 16, 1875	644	201	8	833
Clothes-pouder.....	A. French and J. S. Lash.....	168,247	Sept. 28, 1875	829	264	8	546
Clothes-pouder.....	A. J. Harmon.....	166,458	Aug. 10, 1875	281	84	8	246
Clothes-pouder.....	C. B. and G. W. Hart.....	162,548	Apr. 27, 1875	911	292	7	715
Clothes-pouder.....	D. W. Rawson.....	166,224	Aug. 3, 1875	36	12	8	204
Clothes-pouder.....	O. F. Stedman.....	166,424	Aug. 3, 1875	225	68	8	230
Clothes-sprinkler.....	W. Olson.....	160,698	Mar. 9, 1875	406	136	7	416
Clothes-washer.....	H. E. Smith.....	166,646	Aug. 10, 1875	440	136	8	269
Clothes-wringer.....	I. F. Brown.....	161,662	Apr. 6, 1875	66	24	7	578
Clothes-wringer.....	W. T. Bannuel and A. G. Roman.....	166,067	July 27, 1875	926	286	8	172
Clothes-wringer.....	O. F. Glidden.....	158,369	Jan. 5, 1875	17	6	7	11
Clothes-wringer.....	M. A. Johnson.....	169,643	Nov. 9, 1875	324	102	8	785
Clothes-wringer.....	F. and M. Way.....	161,309	Mar. 23, 1875	994	325	7	509
Clothes-wringer.....	F. N. Wolliston.....	159,996	Feb. 16, 1875	725	241	7	296
Clothing for women, Under.	S. T. Converse.....	166,190	Aug. 3, 1875	9	3	8	200
Clover-separator.....	G. F. Metzger and J. P. Kohler.....	171,237	Dec. 21, 1875	580	190	8	1042
Clutch.....	A. Swingle.....	171,063	Dec. 14, 1875	386	128	8	1009
Clutch.....	B. F. Young.....	169,394	Nov. 2, 1875	69	21	8	744
Clutch, Friction.....	I. Arnold.....	164,898	June 29, 1875	1025	331	7	1103
Clutch, Friction.....	T. E. Barrow.....	169,614	Nov. 9, 1875	291	94	8	781
Clutch, Friction.....	E. S. M. Fernald.....	160,264	Mar. 2, 1875	8	4	7	350
Clutch, Friction.....	G. H. Starbuck.....	159,464	Feb. 2, 1875	210	68	7	213
Clutch, Power-press.....	A. H. Merriman.....	164,690	June 22, 1875	813	265 266	7	1066
Coach-pad.....	S. A. Marker.....	171,150	Dec. 14, 1875	473	154 155	8	1020
Coal-agglomerating press.....	A. G. Lasserre.....	168,031	Sept. 21, 1875	603	192 193	8	508
Coal and ore separator.....	J. B. Wilford.....	170,142	Nov. 16, 1875	810	255	8	856
Coal and other elevators.....	S. Winslow and T. Goldsmith.....	161,584	Mar. 30, 1875	1275	410	7	553
Coal, Apparatus for separating slate from.....	S. Broadbent, C. W. Zeigler, and W. B. Culver.....	161,744	Apr. 6, 1875	134	46	7	588
Coal-barge.....	G. B. Martin and J. A. Preston.....	168,655	Oct. 11, 1875	336	109	8	620
Coal-box.....	J. Forster.....	158,837	Jan. 19, 1875	468	157	7	105
Coal-box.....	J. L. Holliday.....	158,797	Jan. 19, 1875	432	144	7	100
Coal breakers or crackers, Toothed roller for.....	W. Munson.....	169,654	Nov. 9, 1875	333	105	8	786
Coal-breaking roll.....	R. Jones.....	171,140	Dec. 14, 1875	462	151	8	1019
Coal-chute.....	R. Dunbar and J. Keegan.....	164,278	June 8, 1875	416	139	7	998
Coal-chute, Extensible.....	J. M. Lafferty.....	162,892	May 4, 1875	87	29	7	758
Coal-chute, Portable.....	R. R. Hoopes.....	170,856	Dec. 7, 1875	178	61	8	974
Coal-drying apparatus.....	L. Jacobi.....	166,612	Aug. 10, 1875	409	126	8	265
Coal-dust, &c., into blocks, Machine for making.....	M. M. Pettes.....	170,587	Nov. 30, 1875	1254	395	8	932
Coal, &c., from a hopper, Feeding.....	J. B. Wilford.....	158,769	Jan. 12, 1875	383	130	7	78
Coal from slate, Separating.....	H. Bradford.....	166,252	Aug. 3, 1875	61	19	8	207
Coal-hod.....	U. D. Alexander.....	162,454	Apr. 2, 1875	830	267	7	705
Coal-hod.....	U. D. Alexander.....	165,698	July 20, 1875	562	172	8	110
Coal-hod.....	C. F. Barager.....	160,995	Mar. 23, 1875	700	230	7	471
Coal-hod.....	E. W. Byrn.....	159,540	Feb. 9, 1875	300	97	7	233
Coal-hod.....	E. W. Byrn.....	160,873	Mar. 16, 1875	584	190	7	446
Coal-hod.....	J. Cochran.....	166,851	Aug. 17, 1875	646	201	8	308
Coal-hod.....	J. B. Driscoll.....	163,752	May 25, 1875	979	310	7	906
Coal-hod.....	J. H. Murphy.....	161,433	Mar. 30, 1875	1129	464	7	534
Coal-hod.....	G. Seyfang.....	160,035	Feb. 23, 1875	781	257	7	311
Coal-hod.....	G. Seyfang.....	167,857	Sept. 21, 1875	456	144	8	486
Coal-hod.....	C. F. Thomas.....	161,577	Mar. 30, 1875	1270	408	7	553
Coal-holder.....	S. M. Whiteside and A. C. Holliday.....	163,126	May 11, 1875	378	123	7	804
Coal, &c., Mode of loading.....	C. H. Bass.....	158,567	Jan. 12, 1875	205	70	7	53
Coal-scuttle.....	H. Feldmeier and E. Stoepelwerth.....	162,367	Apr. 20, 1875	721	235	7	683
Coal-scuttle.....	H. Reynolds.....	158,523	Jan. 5, 1875	151	51	7	30
Coal-scuttle.....	R. M. Steele.....	165,515	July 13, 1875	381	113	8	68
Coal, Separating refuse from.....	S. Thomas.....	161,840	Apr. 6, 1875	222	74	7	600
Coal-separator.....	W. Buechley and T. Thorn.....	163,298	May 18, 1875	558	178	7	843
Coal-shelling drill.....	P. O. Donohoe.....	170,350	Nov. 23, 1875	1017	319	8	892
Coal-shovel.....	J. D. Tallmadge.....	163,703	May 25, 1875	935	297	7	900
Coal-vase.....	W. S. Potwin.....	165,947	July 27, 1875	817	250	8	157
Coal vase and fire-iron standard.....	G. J. Munschauer.....	165,248	July 6, 1875	98	29	8	22
Coal-loop, Metallic.....	F. W. Tilton.....	162,507	Apr. 27, 1875	879	281	7	711
Coat-patterns, Apparatus for laying out.....	Z. Bauer.....	163,911	June 1, 1875	61	21	7	939
Coat-shaper.....	E. B. Viets.....	160,246	Feb. 23, 1875	959	315	7	337
Coat-shaping apparatus.....	C. Franke.....	167,394	Sept. 7, 1875	15	4	8	108
Cock and anti-concussion valve, Combined.....	I. F. Van Duzer.....	165,190	July 6, 1875	50	14	8	45
Cock, Anti-freezing.....	S. T. Harker.....	169,694	Nov. 9, 1875	377	118	8	792
Cock, Automatic glass gage.....	A. W. Bee and I. W. Garrett.....	167,819	Sept. 21, 1875	420	133	8	481
Cock, Automatically-operated gas.....	E. Coe.....	164,146	June 8, 1875	291	99	7	981
Cock, Combined compression and swing.....	W. L. Brownell.....	169,652	Nov. 16, 1875	636	198	8	832
Cock, Combined shower and bath.....	H. J. Bailey.....	167,817	Sept. 21, 1875	417	133	8	481
Cock, Compression.....	J. McLaughlin.....	168,657	Oct. 11, 1875	338	110	8	620
Cock, Compression.....	P. White.....	169,873	Nov. 9, 1875	575	173	8	814
Cock for locomotives, Pet.....	F. A. Casey.....	167,302	Aug. 31, 1875	1099	345	8	387
Cock, Gage.....	I. S. Hamilton.....	159,920	Feb. 16, 1875	655	217	7	287
Cock, Gage.....	J. F. Mulloony and T. S. Shaw.....	166,216	Aug. 3, 1875	29	10	8	203
Cock, Gage.....	T. J. Nottingham.....	160,459	Mar. 2, 1875	162	63	7	374

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Cock or valve .....	H. W. Heale and E. D. Gowan ..	159,924	Feb. 16, 1875	658	218	7	257
Cock, Self-closing .....	W. Knaust .....	161,341	Mar. 30, 1875	1042	339	7	523
Cock, Self-closing hopper .....	H. Carruthers .....	159,900	Feb. 16, 1875	638	211	7	285
Cock, Self-closing water .....	J. B. Tongas .....	161,077	Mar. 23, 1875	773	254	7	481
Cock, Soda-water and sirup .....	W. Gee .....	158,483	Jan. 5, 1875	117	40	7	25
Cock, Stop .....	P. Ball .....	162,338	Apr. 20, 1875	689	225	7	679
Cock, Stop .....	W. W. Beckett .....	159,746	Feb. 16, 1875	495	165	7	266
Cock, Stop .....	J. G. L. Boettcher .....	171,344	Dec. 21, 1875	673	232	8	1055
Cock, Stop .....	O. T. Earle .....	167,751	Sept. 14, 1875	343	109	8	462
Cock, Stop .....	C. Franke .....	167,397	Sept. 7, 1875	17	5	8	409
Cock, Stop .....	J. L. Frisbie .....	164,538	June 15, 1875	666	216	7	1039
Cock, Stop .....	T. Holland .....	165,827	July 20, 1875	659	211	8	127
Cock, Stop .....	J. Mallinson .....	166,472	Aug. 10, 1875	292	87	8	248
Cock, Stop .....	J. C. Meelson .....	161,698	Apr. 6, 1875	92	32	7	582
Cock, Stop .....	C. F. Murdock .....	167,463	Sept. 7, 1875	73	22	8	416
Cock, Stop .....	R. G. Smeaton .....	169,489	Nov. 2, 1875	149	49	8	755
Cock, Stop .....	A. Snyder .....	164,944	June 29, 1875	1068	344	7	1108
Cock, Stop .....	N. Upham .....	170,648	Nov. 30, 1875	1311	414	8	940
Cock, Stop and waste .....	R. J. Malcolm .....	170,576	Nov. 30, 1875	1240	391	8	931
Cocks of water-pipes by electricity, Apparatus for controlling way.	W. A. Crawford .....	159,394	Feb. 2, 1875	135	47	7	203
Cocoa-nut for domestic use, Process for preparing .....	A. P. Ashbourne .....	163,962	June 1, 1875	102	.....	7	945
Cocoa-nut-grating mill .....	J. P. Anderson .....	163,434	May 18, 1875	678	216	7	839
Cocoa-nut nuts, Machine for paring .....	E. Smith and E. C. Maltby ..	165,939	July 27, 1875	826	254	8	158
Coffee and tea pot .....	J. Noland and C. Neidieb .....	163,233	May 11, 1875	477	155	7	817
Coffee, Composition for glazing roasted .....	J. H. Bell and J. H. Conrad ..	167,383	Sept. 7, 1875	3	.....	8	407
Coffee, Compound for polishing and coating .....	J. H. Siegman .....	166,641	Aug. 10, 1875	436	.....	8	269
Coffee-huller .....	D. Lombard .....	170,363	Nov. 23, 1875	1045	328	8	896
Coffee-mill .....	W. J. Lane .....	159,517	Feb. 9, 1875	281	91	7	230
Coffee-mill .....	T. Strobridge .....	159,467	Feb. 2, 1875	213	69	7	214
Coffee-mill .....	R. L. Webb .....	168,307	Sept. 28, 1875	880	282	8	554
Coffee-pot .....	R. L. Bate .....	163,351	May 18, 1875	609	194	7	850
Coffee-pot .....	J. Boyers .....	162,347	Apr. 20, 1875	701	228	7	680
Coffee-pot .....	S. Crowell .....	169,626	Nov. 9, 1875	301	97	8	783
Coffee-pot .....	M. J. Dewald .....	168,237	Oct. 5, 1875	11	4	8	566
Coffee-pot .....	E. F. Kennedy .....	164,182	June 8, 1875	325	111	7	986
Coffee-pot .....	N. S. McFarland .....	161,254	Mar. 23, 1875	946	308	7	503
Coffee-pot .....	C. B. Smith .....	161,640	Apr. 6, 1875	45	17	7	575
Coffee-pot .....	H. W. Watson .....	163,286	May 11, 1875	531	171	7	824
Coffee-pot .....	S. P. Webber .....	163,426	May 18, 1875	670	214	7	858
Coffee-pot attachment .....	S. S. Hoover .....	168,253	Sept. 28, 1875	835	266	8	547
Coffee-pot spout .....	N. S. McFarland .....	163,502	May 18, 1875	746	237	7	868
Coffee-pot strainer .....	R. E. Clark .....	171,601	Dec. 28, 1875	930	305	8	1099
Coffee-roaster .....	G. Boyd .....	160,384	Mar. 2, 1875	111	41	7	365
Coffee-roaster .....	M. W. Fry .....	159,405	Feb. 2, 1875	149	50	7	205
Coffee-roaster .....	F. Thomas .....	169,059	Oct. 19, 1875	710	234	8	680
Coffee-roaster .....	F. Thomas .....	169,498	Nov. 2, 1875	157	52	8	756
Coffee-steeper .....	E. R. Dakon .....	164,530	June 15, 1875	659	213	7	1038
Coffee-urn .....	H. C. Wilcox .....	160,633	Mar. 9, 1875	347	117	7	408
Coffin .....	J. M. Currier .....	171,101	Dec. 14, 1875	421	140	8	1014
Coffin .....	F. S. Haden .....	168,250	Sept. 28, 1875	833	.....	8	547
Coffin .....	J. Richey and L. H. McDougall ..	167,691	Sept. 14, 1875	285	90	8	454
Coffin-handle .....	M. H. Crane .....	164,812	June 22, 1875	927	300	7	1083
Coffin-handle .....	J. S. Ray .....	162,949	May 4, 1875	198	64	7	773
Coffin-handle .....	T. C. Richards .....	169,922	Nov. 16, 1875	612	190	8	829
Cog-wheel .....	C. E. Brooks .....	170,400	Nov. 16, 1875	718	228	8	844
Coke and illuminating-gas, Apparatus for the manufacture of.	J. T. B. Bennett .....	161,377	Mar. 30, 1875	1080	350	7	523
Coke-crushing machine .....	C. Glazier .....	160,765	Mar. 16, 1875	495	161	7	434
Collapsible boat .....	E. L. Berthon .....	167,214	Aug. 31, 1875	1025	318	8	376
Collar and hame, Combined horse .....	A. Macanley .....	166,932	Aug. 24, 1875	736	228	8	329
Collar and hame, Horse .....	J. J. Schneider and A. S. Meek ..	161,446	Mar. 30, 1875	1140	367	7	536
Collar and muff, Combined .....	C. Stattmann .....	167,799	Sept. 14, 1875	387	124	8	468
Collar ends, Machine for folding and pasting .....	C. Spofford .....	161,833	Apr. 6, 1875	214	72	7	599
Collar ends, Machine for pasting and folding .....	C. Spofford .....	171,566	Dec. 28, 1875	916	300	8	1097
Collar fastening, Horse .....	V. M. Beamer .....	161,736	Apr. 6, 1875	127	44	7	587
Collar, Horse .....	G. F. Beardsley .....	163,444	May 18, 1875	686	219	7	800
Collar, Horse .....	T. Cheal .....	161,930	Apr. 13, 1875	314	105	7	624
Collar, Horse .....	E. B. Crawford .....	168,723	Oct. 11, 1875	390	128	8	628
Collar, Horse .....	L. W. Harbaugh .....	160,318	Mar. 2, 1875	57	20	7	357
Collar, Horse .....	J. Meyer .....	171,404	Dec. 21, 1875	733	240	8	1063
Collar, Horse .....	W. J. Thorn .....	164,342	June 8, 1875	474	157	7	1005
Collar, Horse .....	G. Van Wagenen and M. D. Goble ..	169,933	Nov. 16, 1875	621	192	8	830
Collar pad, Harness .....	M. Klein .....	171,144	Dec. 14, 1875	465	152	8	1019
Collar pads, Machine for pressing horse .....	A. P. Mason and G. and H. W. Chamberlin ..	163,091	May 11, 1875	347	113	7	800
Collar, Shirt .....	J. C. Wall and C. Ludington .....	164,617	June 15, 1875	732	239	7	1049
Colliery-plant .....	R. A. Wilder .....	167,719	Sept. 14, 1875	309	98	8	457
Colors on fabrics, Method of fixing and developing .....	C. T. Meig .....	166,287	Aug. 3, 1875	95	29	8	212
Colter .....	F. and J. H. Culver .....	169,678	Nov. 9, 1875	354	112	8	789
Colter .....	A. M. Davis .....	160,309	Mar. 2, 1875	46	17	7	355
Colter .....	G. C. Lyons .....	168,840	Oct. 19, 1875	507	166	8	653
Colter .....	A. P. Webber .....	158,552	Jan. 5, 1875	173	60	7	33
Colter attachment .....	J. S. Johnston .....	167,256	Aug. 31, 1875	1061	330	8	381
Column, Iron .....	G. B. Davids .....	158,689	Jan. 12, 1875	315	107	7	68
Column, Metallic .....	C. H. Leidy .....	167,179	Aug. 31, 1875	997	310	8	372
Column, Rolled iron .....	J. B. and J. M. Cornell .....	162,999	May 11, 1875	263	85	7	790
Column, Wrought-iron .....	J. B. Cornell .....	159,305	Feb. 2, 1875	55	20	7	192
Column, Wrought-iron .....	J. B. Cornell .....	160,574	Mar. 9, 1875	297	101	7	400
Columns and cylinders, Machine for capping the joint-flanges of hollow.	J. L. Piper .....	167,117	Aug. 24, 1875	915	285	8	354
Columns and pilasters, Construction of .....	P. J. Hardy .....	163,994	June 1, 1875	130	45	7	948

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Columns, Construction of marble.....	P. J. Hardy .....	163, 995	June 1, 1875	130	46	7	948
Comb : <i>See</i> Band-comb.           Doffer-comb. Curry-comb.							
Comb .....	E. Brown .....	161, 661	Apr. 6, 1875	65	23	7	578
Comb .....	M. Dittenboefer.....	158, 922	Jan. 19, 1875	551	183	7	115
Comb-cutting machine.....	J. W. and I. S. Hyatt .....	164, 648	June 23, 1875	774	254	7	1063
Combination-lock .....	W. Baldwin.....	161, 375	Mar. 30, 1875	1077	349	7	527
Combination-lock .....	F. J. Chapman .....	168, 873	Oct. 19, 1875	536	176	8	656
Combination-lock .....	W. Gilfillan.....	162, 164	Apr. 20, 1875	533	175	7	660
Combination-lock .....	S. Hipp, T. Webagen, and C. Nickel.....	162, 551	Apr. 27, 1875	913	293	7	715
Combination-lock .....	H. C. Hovey.....	167, 764	Sept. 14, 1875	357	113	8	464
Combination-lock .....	C. D. Judd.....	168, 094	Sept. 28, 1875	689	218	8	527
Combination-lock .....	A. E. Peters.....	167, 929	Sept. 21, 1875	511	163	8	495
Combination-lock .....	G. Rieseck.....	164, 214	June 8, 1875	351	120	7	989
Combination-lock .....	C. O. Yale.....	161, 727	Apr. 6, 1875	118	42	7	566
Commode or stand .....	F. Mahler.....	165, 743	July 20, 1875	600	184	8	116
Commode, Portable .....	I. S. Williams.....	162, 131	Apr. 13, 1875	485	160	7	646
Commode-ventilator .....	E. W. Stanton and T. M. Riley .....	167, 032	Aug. 24, 1875	831	259	8	342
Commodore or close stools, Ventilation of .....	R. D. O. Smith.....	169, 490	Nov. 2, 1875	150	49	8	755
Compass, Mariner's .....	D. Baker.....	163, 836	June 1, 1875	1	1	7	931
Compass, Mariner's .....	D. Baker.....	163, 837	June 1, 1875	2	1	7	931
Compass, Mariner's .....	D. Baker.....	163, 838	June 1, 1875	3	1	7	931
Compass, Mariner's .....	D. Baker.....	163, 839	June 1, 1875	4	2	7	931
Compass, Mariner's .....	D. Baker.....	163, 840	June 1, 1875	5		7	931
Compass, Mariner's .....	N. H. Dibble.....	168, 726	Oct. 11, 1875	392	129	8	628
Compass, Mariner's .....	G. Iles.....	167, 452	Sept. 7, 1875	63	20	8	415
Compass, Mariner's .....	E. S. Ritchie.....	166, 812	Aug. 17, 1875	610	189	8	303
Compound engine .....	S. Archbold.....	158, 666	Jan. 12, 1875	296	100	7	65
Compound engine .....	J. W. Bell.....	159, 786	Feb. 16, 1875	531	177	7	271
Compound engine .....	C. E. Emery.....	160, 817	Mar. 16, 1875	540	175	7	440
Compound engines, Steam-cylinder head for .....	J. F. Holloway.....	158, 378	Jan. 5, 1875	23	8	7	12
Compound fabric .....	G. V. Shepard.....	158, 746	Jan. 12, 1875	361	123	7	75
Compound steam-engine .....	A. Alexander.....	162, 348	May 18, 1875	606	193	7	850
Compound steam-engine .....	F. E. Sickness.....	161, 711	Apr. 6, 1875	101	36, 37	7	584
Compress .....	A. A. Lelievre.....	160, 830	Mar. 16, 1875	551		7	442
Concrete articles, Mold for .....	R. B. Lanum.....	169, 179	Oct. 26, 1875	840	274	8	707
Concrete pipe, drain-tile, &c., Machine for molding .....	T. E. Daniels.....	166, 264	Aug. 3, 1875	71	22, 23	8	209
Concrete, Straw .....	F. B. Howard.....	161, 038	Mar. 23, 1875	738		7	477
Condenser .....	H. W. Bulkeley.....	167, 642	Sept. 14, 1875	246	76	8	446
Condenser .....	J. B. Root.....	171, 175	Dec. 14, 1875	493	163	8	1023
Condenser and heater .....	L. L. Newman and A. Van Orsdale.....	166, 132	July 27, 1875	993	306	8	182
Condenser for illuminating-gas.....	G. W. Edge.....	171, 363	Dec. 21, 1875	692	228	8	1058
Condenser for stills and drying-chambers .....	M. Harris.....	170, 730	Dec. 7, 1875	70	22	8	960
Condenser, Gas .....	P. Munsinger.....	158, 433	Jan. 5, 1875	69	24	7	19
Condenser, Ice-machine.....	A. Jas.....	161, 237	Mar. 23, 1875	924	302	7	500
Condenser, Ice-machine.....	A. Jas.....	168, 501	Oct. 5, 1875	162	53	8	588
Condenser, Steam .....	E. O. Brinckerhoff.....	158, 397	Jan. 5, 1875	40	15	7	14
Condenser, Surface.....	C. Godfrey.....	162, 470	Apr. 27, 1875	844	271	7	707
Condenser, Surface.....	W. H. Guild.....	163, 482	May 18, 1875	725	231	7	865
Condensing apparatus for marine steam-engines, Compound.....	J. Houpt.....	168, 901	Oct. 19, 1875	561	{ 183 184 }	8	660
Condensing-engine .....	J. F. Barker.....	165, 148	July 6, 1875	2	1	8	9
Condensing vapors, gases, &c., Apparatus for .....	R. Speir and J. Mather.....	168, 060	Sept. 21, 1875	640	204	8	513
Conductor's alarm and registering hand-stamp .....	L. J. Masterson.....	159, 765	Feb. 16, 1875	510	171	7	268
Confectionery .....	E. Hawker.....	166, 365	Aug. 3, 1875	161		8	222
Confectionery .....	E. Hawker.....	168, 488	Oct. 5, 1875	151		8	586
Confectionery, Cream-dropping machine for .....	G. Smith, sr.....	166, 644	Aug. 10, 1875	438	135	8	269
Confectionery, Machine for casting .....	S. F. Whitman.....	169, 935	Nov. 16, 1875	628	193	8	830
Confectionery, pills, &c., Apparatus for sugar-coating .....	W. Cairns.....	159, 899	Feb. 16, 1875	637	211	7	284
Congelator or condenser .....	W. H. H. Mallory.....	167, 182	Aug. 31, 1875	998	310	8	372
Convertible chair .....	C. N. Cadwallader.....	169, 772	Nov. 9, 1875	457	144	8	802
Convertible chair .....	H. H. Ham.....	164, 370	June 15, 1875	517	170	7	1020
Convertible chair .....	F. H. Waste.....	169, 752	Nov. 9, 1875	435	138	8	799
Convertible table .....	F. A. Gilbrt.....	161, 502	Mar. 30, 1875	1201	385	7	543
Cooker, Steam .....	G. H. Scribner.....	170, 404	Nov. 23, 1875	1069	368	8	999
Cooking and washing apparatus, Steam .....	W. Cooper.....	162, 033	Apr. 13, 1875	392	132	7	635
Cooking apparatus .....	E. H. Murray.....	171, 411	Dec. 21, 1875	738	242	8	1063
Cooking apparatus .....	H. M. Smith.....	170, 199	Nov. 23, 1875	885	276	8	873
Cooking apparatus, Pocket .....	G. B. Sickness.....	162, 959	May 4, 1875	210	67, 68	7	774
Cooking apparatus, Steam .....	G. H. Ferris.....	167, 830	Sept. 21, 1875	429	136	8	492
Cooking pan, Steak .....	D. B. Smith.....	162, 961	May 4, 1875	212	65	7	775
Cooking-utensil .....	W. Lacey.....	171, 231	Dec. 21, 1875	574	189	8	1042
Cooking-utensil .....	A. Vichmeyer.....	170, 921	Dec. 7, 1875	234	80	8	982
Cooking vessel, Steam .....	E. P. Bates.....	161, 092	Mar. 23, 1875	792	260	7	483
Cooking-vessels, Portable stirrer for .....	F. M. Roush.....	160, 033	Feb. 23, 1875	779	257	7	311
Cooler: <i>See</i> Beer-cooler.           Milk-cooler. Lard-cooler.         Water-cooler. Liquid-cooler.							
Cooler and condenser or heater .....	C. H. North.....	164, 757	June 22, 1875	872	284	7	1076
Cooling and circulating air in buildings, Apparatus for .....	A. Jas.....	162, 660	Apr. 27, 1875	1007	323	7	727
Cooling apparatus, Room .....	W. Braeunlich.....	164, 421	June 15, 1875	567	184	7	1026
Coop, Folding .....	D. M. Sullivan.....	171, 446	Dec. 21, 1875	767	252	8	1063
Coop, Poultry .....	F. M. Blanc.....	163, 971	June 1, 1875	109	37	7	946
Coop, Poultry .....	J. Shepard.....	168, 111	Sept. 28, 1875	704	222	8	529
Copper, &c., Refining .....	S. L. Crocker.....	159, 801	Feb. 16, 1875	547		7	272
Copper-tinning machine, Sheet .....	W. Jenkins.....	160, 329	Mar. 2, 1875	65	23	7	358
Copy-book, Letter-press .....	S. W. Seesbe.....	169, 491	Nov. 2, 1875	152	50	8	756
Copy-holder .....	L. Conant.....	169, 893	Nov. 10, 1875	586	192	8	826
Copying-press .....	W. H. Hoffman and B. S. Hoyt.....	168, 494	Oct. 5, 1875	156	51	8	387
Copying-press damping-box .....	W. J. Purcell.....	161, 893	Apr. 13, 1875	284	95	7	621

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Copying-press pad.....	C. and J. G. Roland.....	163, 029	May 11, 1875	293	95	7	793
Copying-presses, Water-proof pad for.....	C. and J. G. Rowland.....	158, 651	Jan. 12, 1875	282	94	7	63
Cord and cordage, Rubber-coated.....	H. Schlarbaum.....	166, 306	Aug. 3, 1875	112	34	8	215
Cord-bladder.....	W. B. Snyder.....	170, 123	Nov. 16, 1875	790	250	8	853
Cordage.....	T. H. Dunham.....	164, 154	June 8, 1875	298		7	982
Cordage-machine.....	J. A. Peckham.....	171, 041	Dec. 14, 1875	301	120	8	1006
Cordage, rope, &c., finishing machine.....	T. Tebow.....	163, 280	May 11, 1875	523	{ 169 170 }	7	822
Core-anchoring clamp.....	L. E. Roberts.....	160, 062	Feb. 23, 1875	806	265	7	314
Core-barrel.....	C. Dockray.....	167, 075	Aug. 24, 1875	872	272	8	348
Core for castings, Sand.....	F. Lemkenheimer and A. Riegler.....	164, 313	June 8, 1875	449	148	7	1002
Core-forming machine.....	W. C. Amis.....	159, 375	Feb. 2, 1875	119	42	7	201
Core to be used in the manufacture of tubing, Sectional.....	H. Lemon and J. A. Cameron.....	168, 755	Oct. 11, 1875	421	{ 138 139 }	8	632
Core, Tubing.....	W. F. Brooks.....	163, 148	May 11, 1875	398	{ 128 129 }	7	807
Cork.....	W. King.....	166, 467	Aug. 16, 1875	288		8	247
Cork branding and counting apparatus.....	N. W. Mitchell.....	158, 963	Jan. 19, 1875	590	196	7	120
Cork-cutting machine.....	G. S. Long.....	163, 387	May 18, 1875	640	205	7	854
Cork for stoppers, Preparing.....	C. G. Frash.....	167, 521	Sept. 7, 1875	125		8	424
Cork-stopper.....	J. I. Flanagan.....	171, 606	Dec. 28, 1875	934	306	8	1099
Cork-tapping machine.....	Z. M. Lane.....	162, 241	Apr. 20, 1875	605	193	7	669
Corks, Device for removing wire fastenings from.....	G. A. Potter.....	160, 950	Mar. 16, 1875	652	218	7	455
Corks from bottles, Instrument for extracting.....	W. C. D. Page and J. L. Faby.....	164, 931	June 29, 1875	1058	341	7	1107
Cork-screw, Wire.....	W. R. Clough.....	161, 755	Apr. 6, 1875	142	49	7	589
Corn-cutter.....	P. M. McLeod.....	170, 010	Nov. 16, 1875	684	214	8	839
Corn cutter, Green.....	V. Barker.....	159, 741	Feb. 16, 1875	489	164	7	265
Corn cutter, Green.....	W. J. Potter.....	160, 119	Feb. 23, 1875	851	281	7	321
Corn cutter, Green.....	T. Witmer.....	165, 968	July 27, 1875	835	257	8	159
Corn-drill.....	J. Campbell.....	165, 788	July 20, 1875	645	198	8	122
Corn-drill.....	J. B. Ludlow.....	160, 923	Mar. 16, 1875	628	205	7	452
Corn-drill.....	J. R. S. B. and G. W. Rude.....	170, 962	Dec. 7, 1875	216	75	8	980
Corn-drill, Pilot-wheel.....	J. Campbell.....	165, 155	July 6, 1875	8	3	8	10
Corn-dropper.....	J. Jackman.....	161, 685	Apr. 6, 1875	23	29	7	581
Corn-dropper.....	I. G. Vail.....	161, 363	Mar. 30, 1875	1561	315	7	526
Corn-dropper, Check-row.....	J. W. Fawkes.....	167, 514	Sept. 7, 1875	119	37	8	423
Corn-husker.....	W. A. Dick.....	168, 624	Oct. 11, 1875	308	100	8	616
Corn-husking implement.....	H. W. Hill.....	171, 019	Dec. 14, 1875	344	115	8	1003
Corn, Implement for holding hot.....	R. G. J. Kennard.....	164, 307	June 8, 1875	444	147	7	1001
Corn-popper.....	F. J. Meyers.....	171, 032	Dec. 14, 1875	354	118	8	1005
Corn-popper.....	C. F. Wickwire.....	170, 976	Dec. 14, 1875	309	103	8	989
Corn-sheller.....	W. S. Broyles.....	159, 789	Feb. 16, 1875	534	178	7	271
Corn-sheller.....	J. Burke.....	158, 357	Jan. 5, 1875	7	2	7	9
Corn-sheller.....	H. C. Creekmore and J. W. Mc-Millin.....	166, 751	Aug. 17, 1875	556	171	8	295
Corn-sheller.....	J. S. Fisher.....	167, 326	Aug. 31, 1875	1120	352	8	390
Corn-sheller.....	W. H. Hall and C. S. Yngst.....	166, 771	Aug. 17, 1875	574	176	8	297
Corn-sheller.....	L. B. Hoit.....	158, 711	Jan. 12, 1875	334	114	7	71
Corn-sheller.....	T. J. Hoover.....	160, 193	Feb. 23, 1875	912	300	7	330
Corn-sheller.....	F. H. Hunter.....	163, 377	May 18, 1875	630	202	7	853
Corn-sheller.....	S. H. Moore.....	160, 342	Mar. 2, 1875	77	27	7	359
Corn-sheller.....	E. C. Morgan.....	165, 750	July 20, 1875	606	186	8	117
Corn-sheller.....	C. D. and E. D. Read.....	166, 142	July 27, 1875	1003	309	8	183
Corn-sheller.....	W. Stover.....	162, 429	Apr. 20, 1875	783	254	7	690
Corn-sheller.....	S. Williams.....	166, 832	Aug. 17, 1875	626	194	8	305
Corn-sheller.....	J. N. Wolfe.....	158, 816	Jan. 19, 1875	449	149	7	102
Corn-shellers, Feeding-belt and partition for.....	W. B. Quarton.....	170, 897	Dec. 7, 1875	212	74	8	979
Corn-shelling implement.....	J. M. Wilson.....	167, 597	Sept. 7, 1875	194	61	8	433
Corn-shield.....	M. Kelly.....	170, 478	Nov. 20, 1875	1152	363	8	919
Corn-stalk cutter.....	S. Bean.....	169, 134	Oct. 26, 1875	801	261	8	701
Corn-stalk cutter.....	J. N. Hill.....	166, 066	July 27, 1875	872	268	8	164
Corn-stalk cutter.....	C. B. Sights.....	161, 830	Apr. 6, 1875	211	71	7	599
Corn-stalk cutter.....	A. C. Smith.....	165, 128	June 29, 1875	1234	394	7	1129
Corn-stalk-cutting machine.....	T. O'Bryan.....	165, 496	July 13, 1875	364	{ 107 108 }	8	66
Corn-stalk knife.....	P. C. Moore.....	171, 303	Dec. 21, 1875	640	210	8	1050
Corn-uncoverer.....	H. H. Gilchrist.....	170, 726	Dec. 7, 1875	66	21	8	957
Cornice-tool.....	W. P. Walter.....	166, 666	Aug. 10, 1875	457	140	8	272
Cornice, Window.....	T. H. Dibble.....	161, 869	Apr. 13, 1875	259	86	7	617
Cornice, Window-curtain.....	J. Sowle.....	159, 774	Feb. 16, 1875	521	173	7	269
Cornices, Manufacture of.....	S. O. Brock.....	159, 494	Feb. 9, 1875	252	82	7	227
Corpse-cooler.....	C. Hoff.....	160, 910	Mar. 16, 1875	614	200	7	450
Corpse-cooler.....	C. O. Peck.....	160, 948	Mar. 16, 1875	651	212	7	455
Corpse head-rest.....	C. D. Blachford.....	170, 224	Nov. 23, 1875	908	283	8	876
Corpse-lifter.....	J. J. Flannery.....	168, 471	Oct. 5, 1875	134	45	8	584
Corpse-preserving casket.....	B. Hartwell.....	160, 186	Feb. 23, 1875	906	298	7	329
Corpses and other organic matter from decomposition, Apparatus for preserving.....	J. Whelan.....	171, 232	Dec. 21, 1875	662	{ 218 219 }	8	1053
Corrugating sheet-metal, Machine for.....	W. B. and O. P. Scaife.....	164, 399	June 15, 1875	544	178	7	1023
Corrugating sheet-metal, Machine for.....	W. B. and O. P. Scaife.....	167, 412	Sept. 7, 1875	30	9	8	410
Corset.....	J. N. Ames.....	163, 433	May 18, 1875	677	216	7	859
Corset.....	J. W. Askie.....	169, 131	Oct. 26, 1875	801	260	8	700
Corset.....	M. K. Bortree.....	165, 534	July 13, 1875	398	119	8	71
Corset.....	S. E. Burns.....	159, 539	Feb. 9, 1875	300	97	7	233
Corset.....	H. G. Emery.....	163, 983	June 1, 1875	119	40	7	947
Corset.....	D. H. Fanning.....	159, 753	Feb. 16, 1875	502	167	7	267
Corset.....	S. B. Ferris.....	169, 159	Oct. 26, 1875	825	268	8	704
Corset.....	D. H. Horne.....	167, 898	Sept. 21, 1875	490	155	8	491
Corset.....	C. L. Olmstead.....	163, 685	May 25, 1875	920	293	7	898
Corset.....	H. A. Steadvyf.....	162, 580	Apr. 27, 1875	937	301	7	718
Corset.....	I. Ulman.....	161, 841	Apr. 6, 1875	223	75	7	601
Corset.....	I. D. Warner.....	168, 304	Sept. 28, 1875	878	281	8	554
Corset.....	J. Waterman.....	164, 249	June 8, 1875	376	123	7	993
Corset, Abdominal.....	H. G. Emery.....	161, 018	Mar. 23, 1875	718	237	7	474
Corset, Abdominal.....	C. A. Griswold.....	171, 012	Dec. 14, 1875	340	113	8	1003
Corset-box.....	M. K. Bortree.....	161, 741	Apr. 6, 1875	132	45	7	588



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Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
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Corset-clasp	W. C. Goodwin	163, 479	May 18, 1875	724	230	7	865
Corset-fastening	F. E. Vandercook	167, 958	Sept. 21, 1875	534	171	8	498
Corset-steel	G. W. McGill	159, 595	Feb. 9, 1875	340	113	7	239
Corsets, Manufacture of	C. Gahren	162, 050	Apr. 13, 1875	410	137	7	637
Corsets, Manufacturing.	H. G. Emery	161, 019	Mar. 23, 1875	720	237	7	474
Cot. Folding	O. E. Lord	165, 939	July 27, 1875	809	248	8	156
Cotton and hay press.	W. H. Burgess	167, 741	Sept. 14, 1875	329	105	8	400
Cotton and hay press.	W. H. Tappey, A. Steel, and C. J. Beasley.	164, 608	June 15, 1875	725	230	7	1048
Cotton and hay press.	B. J. Wilson	161, 847	Apr. 6, 1875	228	76	7	601
Cotton-auger	A. O. Schultz	158, 985	Jan. 19, 1875	612	203	7	123
Cotton-bales, Applying sample patches to	S. Sullivan	166, 158	July 27, 1875	1017	313	8	185
Cotton-chopper	T. C. Burnham	160, 811	Mar. 16, 1875	536	174	7	439
Cotton-chopper.	W. D. Evans	166, 597	Aug. 10, 1875	397	122	8	203
Cotton-chopper.	T. G. W. McMeekin and W. W. Hunt.	169, 185	Oct. 26, 1875	845	275	8	707
Cotton-chopper.	J. G. Mickle and F. F. Dearing	160, 937	Mar. 16, 1875	640	209	7	454
Cotton-chopper.	J. D. Mitchell	159, 436	Feb. 2, 1875	176	60	7	209
Cotton chopper and scraper combined	R. McRae	161, 256	Mar. 23, 1875	947	309	7	503
Cotton-cleaner	G. W. McCauley and W. L. Crowson.	162, 086	Apr. 13, 1875	440	146	7	641
Cotton-cleaner.	A. C. Pearce	168, 282	Sept. 28, 1875	860	274	8	551
Cotton-cleaner.	J. Wright	166, 054	July 27, 1875	914	282	8	170
Cotton-cleaning machine	S. D. Keene	162, 479	Apr. 27, 1875	852	274	7	707
Cotton-compressor	J. J. Cahoon	164, 903	June 29, 1875	1030	332	7	1103
Cotton for spinning, Preparing	R. Hardy	166, 001	July 27, 1875	867	287	8	163
Cotton-gin	E. Burdick, jr., and H. A. Stearns	160, 302	Mar. 2, 1875	38	15	7	354
Cotton-gin	O. C. Dewey	163, 465	May 18, 1875	705	225	7	863
Cotton-gin	W. Koehl	164, 844	June 22, 1875	954	309	7	1086
Cotton-gin	O. W. Massey	164, 316	June 8, 1875	452	149	7	1002
Cotton-gin	O. W. Massey	167, 679	Sept. 14, 1875	277	87	8	452
Cotton-gin	W. S. Reeder	169, 584	Nov. 2, 1875	245	80	8	767
Cotton-gin condenser	E. Van Winkle	159, 532	Feb. 9, 1875	294	95	7	232
Cotton-gin feeder.	F. W. Flynn	162, 371	Apr. 20, 1875	727	237	7	683
Cotton-gin power.	L. B. Stith	170, 782	Dec. 7, 1875	117	37	8	966
Cotton-gin rib	E. K. Trammell	162, 125	Apr. 13, 1875	481	158	7	645
Cotton-ginning, &c., machine, Portable	J. L. Toole	169, 206	Oct. 26, 1875	859	280	8	710
Cotton-opener	J. E. Crane	168, 324	Oct. 5, 1875	9	3	8	566
Cotton opener and lapper	W. E. Whitehead and A. T. Atherton.	160, 558	Mar. 9, 1875	284	96	7	398
Cotton-openers, Beater for	J. E. Crane	161, 868	Apr. 13, 1875	258	86	7	617
Cotton-openers, Beater for	J. E. Crane	165, 066	June 29, 1875	1170	376	7	1132
Cotton-openers, Beater for	R. Kitson	170, 675	Dec. 7, 1875	19	6	8	953
Cotton-openers, &c., Beater for	W. E. Whitehead and A. T. Atherton.	159, 487	Feb. 2, 1875	232	75	7	216
Cotton-picker beater.	G. E. Taft	164, 948	June 29, 1875	1071	345	7	1108
Cotton-press	L. S. Bearce	169, 763	Nov. 9, 1875	451	142	8	801
Cotton-press.	R. M. and J. M. Brooks and J. S. Lavender.	159, 637	Feb. 9, 1875	371	123	7	244
Cotton, &c., press.	H. K. Burnett	171, 349	Dec. 21, 1875	680	224	8	1056
Cotton-press.	W. T. Crenshaw and R. J. Carothers.	158, 403	Jan. 5, 1875	45	16	7	15
Cotton-press	S. Dike	164, 980	June 29, 1875	1097	354	7	1112
Cotton-press	W. L. Frost	170, 075	Nov. 16, 1875	748	236	8	847
Cotton-press	T. J. M. Jewell	158, 417	Jan. 5, 1875	57	20	7	17
Cotton-press	T. J. M. Jewell	158, 845	Jan. 19, 1875	474	159	7	106
Cotton-press	W. W. Knowles	161, 795	Apr. 6, 1875	175	60	7	594
Cotton-press	W. W. Louis	161, 802	Apr. 6, 1875	180	61, 62	7	595
Cotton-press	R. Mackey and M. Green.	166, 119	July 27, 1875	978	302	8	180
Cotton-press.	D. S. McBryde	169, 183	Oct. 26, 1875	843	275	8	707
Cotton-press.	T. G. W. McMeekin and W. W. Hunt.	169, 184	Oct. 26, 1875	844	275	8	707
Cotton-press.	B. F. Platt	168, 668	Oct. 11, 1875	346	113	8	621
Cotton-press.	T. D. Powers.	163, 805	May 25, 1875	1025	324	7	912
Cotton-press.	E. Van Winkle.	163, 900	June 1, 1875	53	18	7	938
Cotton-press.	W. W. Wallace	170, 610	Nov. 30, 1875	1278	403	8	935
Cotton-press, Combination	J. F. Taylor	167, 363	Aug. 31, 1875	1152	362	8	394
Cotton-press steam-cylinder	J. F. Taylor	166, 653	Aug. 10, 1875	444	137	8	270
Cotton-scraper	G. W. Beard	158, 457	Jan. 5, 1875	93	32	7	22
Cotton scraper and chopper	W. H. McLaugherty	160, 111	Feb. 23, 1875	843	278	7	320
Cotton scraper, chopper, and cultivator	R. L. McClung	169, 462	Nov. 2, 1875	128	40	8	752
Cotton-seed cleaner.	M. C. Cheek	166, 258	Aug. 3, 1875	67	21	8	208
Cotton-seed huller.	F. Strenby	163, 702	May 25, 1875	934	297	7	900
Cotton-seed hullers, Apparatus for separating tufted fiber from.	A. Rock	159, 455	Feb. 2, 1875	193	65	7	212
Cotton-sprinkler.	C. A. Ramsey	163, 526	May 18, 1875	771	244	7	871
Cotton-stalk puller	H. Lee	167, 105	Aug. 24, 1875	904	283	8	352
Cotton-sweep	M. Call	167, 494	Sept. 7, 1875	98	31	8	420
Cotton-worms, Machine for distributing compounds for destroying.	W. T. Willie	160, 986	Mar. 16, 1875	684	224	7	460
Counter and heel stiffener blanks, Machine for dividing	S. Moore	163, 231	May 11, 1875	476	154	7	516
Counter-press	I. Frechette	161, 774	Apr. 6, 1875	157	55	7	592
Countersink	T. P. Farmer	167, 884	Sept. 21, 1875	478	151	8	489
Countersink	R. J. Welles	170, 653	Nov. 30, 1875	1315	415	8	940
Coupling:							
See Bell-coupling.	Telegraph-coupling.						
Brake-pipe coupling.	Telegraph-wire coupling.						
Car-coupling.	Thill-coupling.						
Car-pole coupling.	Thrashing-machine coupling.						
Hose-coupling.	Trace-coupling.						
Hose and pipe coupling.	Tumbling-shaft coupling.						
Pipe-coupling.	Wagon-coupling.						
Pipe or hose coupling.	Whiffletree-coupling.						
Roll-coupling.	Yoke-coupling.						
Socket-coupling.							
Stove-pipe coupling.							

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Coupling	G. W. Rowell	170, 019	Nov. 16, 1875	691	217	8	840
Coupon tag and check	G. R. G. Jones	163, 496	May 18, 1875	741	235	7	867
Covering, Non-conducting	C. L. Riker	159, 452	Feb. 2, 1875	191	64	7	211
Coverlet-fabric	H. Schadewald.	166, 896	Aug. 17, 1875	691	214	8	314
Cow-milker	W. H. Pearson	170, 187	Nov. 23, 1875	874	273	8	872
Cow-tail holder	G. Stickney	170, 127	Nov. 16, 1875	793	251	8	854
Cow-tail holder	J. M. Worden	159, 490	Feb. 2, 1875	235	77	7	217
Cowl: See Chimney-cowl.							
Cracker cutting and sugaring mechanism	J. W. Ruger and G. J. Hill	163, 332	May 18, 1875	591	189	7	848
Cracker-glazing device	D. Foerster	165, 813	July 20, 1875	672	206	8	125
Cracker-machine	G. W. Baker	165, 527	July 13, 1875	391	117	8	70
Cracker-machine	A. and J. Exton	164, 157	June 8, 1875	301	103	7	983
Cracker-machine	A. and J. Exton	164, 282	June 8, 1875	419	140	7	998
Cracker-machine	A. and J. Exton	164, 283	June 8, 1875	420	140	7	998
Cracker-machine	C. S. Fowler	170, 250	Nov. 23, 1875	931	290	8	879
Cracker-machine	J. Parr	169, 834	Nov. 9, 1875	517	162	8	809
Cracker-machine	J. W. Ruger	168, 531	Oct. 5, 1875	192	63	8	591
Cracker-machine	J. W. and A. Ruger	165, 875	July 20, 1875	732	224	8	133
Cracker show-case	C. and W. Kroeger	168, 905	Oct. 19, 1875	572	188	8	661
Cradle	M. V. Borgman and W. F. Lamson	169, 767	Nov. 9, 1875	454	143	8	802
Cradle	E. F. Gazzam	169, 253	Oct. 26, 1875	907	295	8	715
Cradle	J. B. Nibbach	168, 173	Sept. 28, 1875	765	212	8	538
Cradle	J. Sprengard	169, 123	Oct. 26, 1875	795	257	8	699
Cradle	W. V. and N. W. Van Dervort	170, 418	Nov. 23, 1875	1080	340	8	900
Cradle	F. Voit	168, 945	Oct. 19, 1875	602	199	8	666
Cradle	F. C. Wireman	163, 288	May 11, 1875	532	172	7	824
Cradle and bedstead, Combined	C. W. Chamberlain	164, 639	June 22, 1875	766	251 252	7	1062
Cradle, Automatic	W. Kindermann	161, 417	Mar. 30, 1875	1116	361	7	532
Cradle fingers, Manufacture of grain	C. P. Kelsey	171, 025	Dec. 14, 1875	349	116	8	1004
Cradle, Fol. ing.	E. D. Reichard and J. R. Fisher	161, 277	Mar. 23, 1875	967	315	7	505
Cradle, Folding	J. Weich and J. Jefferys	168, 691	Oct. 11, 1875	362	119	8	624
Cradle-rocking device	L. L. King	168, 028	Sept. 21, 1875	589	191	8	508
Cradle-treadle	J. A. Kirchner	171, 388	Dec. 21, 1875	719	236	8	1061
Cranberry-separator	D. T. Staniford	159, 853	Feb. 16, 1875	582	196	7	278
Crane	J. M. Caswell and A. R. Worth	168, 372	Oct. 5, 1875	49	17	8	571
Crane	J. Dormau	160, 513	Mar. 9, 1875	245	84	7	392
Crane	I. Hahn	166, 985	Aug. 24, 1875	767	243	8	336
Crane	F. A. Pratt	168, 412	Oct. 5, 1875	84	29	8	577
Crane	R. B. Robinson	170, 301	Nov. 23, 1875	975	305	8	886
Crane, Water-pressure	C. H. Morgan	163, 511	May 18, 1875	755	240	7	869
Crank and lever	C. R. Cribfield	163, 001	May 11, 1875	285	86	7	790
Crank-motion	C. E. Whipple	166, 047	July 27, 1875	908	280	8	170
Crank-stop	W. H. Phillips	170, 013	Nov. 16, 1875	687	215	8	899
Crank-wheel	L. Miller	163, 390	May 18, 1875	642	205	7	854
Cream of tartar, Machine for purifying	A. Reiser	162, 287	Sept. 28, 1875	864	276	8	551
Crib	H. Buitenberg and W. R. Hodges	163, 357	May 18, 1875	612	196	7	851
Crib, Automatic clock-operated horse	W. R. Gribbin and A. McMillan	160, 092	Feb. 23, 1875	829	272	7	318
Cribs and cradles, Screen-supporter for	H. B. Fairbanks	165, 665	July 20, 1875	535	163	8	106
Crimping-machine	T. J. Greenwood	167, 661	Sept. 14, 1875	261	81	8	450
Crimping-machine	A. Hecht	162, 472	Apr. 27, 1875	846	272	8	707
Crimping-machine	O. Noack	163, 602	May 25, 1875	854	269	7	889
Crochet-machine	S. L. Otis	164, 566	June 15, 1875	707	230	7	1045
Crop-thinning machine	M. Eustace	159, 169	Jan. 26, 1875	797	261	7	156
Crop thinning or spacing machine	M. Eustace and J. and T. Keunan	159, 658	Feb. 9, 1875	393	131	7	247
Croquet apparatus	J. A. Crandall	168, 323	Oct. 5, 1875	8	3	8	565
Croquet apparatus	P. West	161, 080	Mar. 23, 1875	775	255	7	481
Croquet-mallet	T. H. Logan	159, 193	Jan. 26, 1875	822	270	7	159
Cross-head	J. W. Hill	170, 370	Nov. 23, 1875	1031	324	8	894
Crozing and leveling tool	S. S. Steel and G. W. Reel	167, 704	Sept. 14, 1875	297	94	8	455
Crucible	J. Feix	165, 811	July 20, 1875	670	205	8	125
Crucible-mold	J. C. Wallace	162, 325	Apr. 20, 1875	679	221	7	678
Crusher:							
See Fertilizer-crusher. Ore and stone crusher.							
Ore-crusher.							
Stone-crusher.							
Cryolite, Process of decomposing	H. Burgess	167, 986	Sept. 21, 1875	554	.....	8	501
Cryptography	A. L. F. Flamm	166, 761	Aug. 17, 1875	563	173	8	296
Cuff	J. W. A. Cluett	158, 627	Jan. 12, 1875	258	88	7	60
Cuff-holder	H. B. Adams	160, 636	Mar. 9, 1875	351	118	7	408
Culinary apparatus	M. C. Bogia	164, 255	June 8, 1875	393	133	7	995
Culinary implement	J. Ebbert	167, 081	Aug. 24, 1875	879	275	8	349
Culinary utensil	J. H. and N. Weara	164, 354	June 8, 1875	491	162	7	1007
Culinary vessel	J. Demoss	165, 483	July 13, 1875	354	104	8	64
Culinary vessel	C. O. Line	167, 106	Aug. 24, 1875	905	282	8	352
Culinary vessel	G. R. Moore	158, 598	Jan. 12, 1875	235	79	7	57
Culinary vessel, Steam	S. T. Goodwyn	159, 755	Feb. 16, 1875	503	168	7	267
Cultivator	J. N. Bashaw	161, 855	Apr. 13, 1875	241	80	7	615
Cultivator	J. Bebel	170, 142	Feb. 23, 1875	869	287	7	324
Cultivator	J. W. Chase	171, 503	Dec. 28, 1875	843	276	8	1056
Cultivator	E. Children	159, 500	Feb. 9, 1875	257	83	7	228
Cultivator	W. O. Clark	162, 900	May 4, 1875	150	49	7	767
Cultivator	A. B. Colver	162, 273	Apr. 20, 1875	633	206	7	672
Cultivator	A. Dart	163, 921	June 1, 1875	69	23	7	940
Cultivator	J. U. Dunmavant and W. A. Hampson	165, 552	July 13, 1875	414	125	8	74
Cultivator	E. D. Gorham	163, 372	May 18, 1875	636	200	7	852
Cultivator	M. L. Gorham	159, 507	Feb. 9, 1875	271	88	7	229
Cultivator	H. D. Green	170, 549	Nov. 30, 1875	1218	383	8	928
Cultivator	J. F. Henderson	161, 882	Apr. 13, 1875	270	90, 91	7	619
Cultivator	R. S. Higgins	158, 709	Jan. 12, 1875	331	113	7	71
Cultivator	W. L. Hopper	164, 372	June 15, 1875	518	170	7	1020
Cultivator	J. C. Jenkins	166, 278	Aug. 3, 1875	84	26	8	211
Cultivator	M. Johnson	159, 331	Feb. 2, 1875	86	29	7	195
Cultivator	P. F. Landphere	160, 602	Mar. 9, 1875	323	109	7	404
Cultivator	L. L. Lawrence and G. S. Thomas	160, 210	Feb. 23, 1875	928	305	7	332

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Cultivator.....	T. G. Lee.....	170, 632	Nov. 30, 1875	1301	410	8	938
Cultivator.....	M. McNitt.....	167, 458	Sept. 7, 1875	69	91	8	416
Cultivator.....	J. O. Milne.....	159, 523	Feb. 9, 1875	287	23	7	231
Cultivator.....	E. B. Moore.....	170, 822	Dec. 7, 1875	198	68	6	977
Cultivator.....	E. Nauman.....	166, 290	Aug. 3, 1875	98	30	8	213
Cultivator.....	J. Pierpont.....	171, 420	Dec. 21, 1875	745	245	8	1064
Cultivator.....	T. J. Price and A. Hunt.	170, 395	Nov. 23, 1875	1060	333	8	898
Cultivator.....	J. H. Rice.....	159, 842	Feb. 16, 1875	581	193	7	277
Cultivator.....	L. C. Roberts.....	161, 157	Mar. 23, 1875	851	278	7	490
Cultivator.....	W. H. Robertson.....	162, 577	Apr. 27, 1875	936	300	7	716
Cultivator.....	P. D. Roquemore.....	160, 353	Mar. 2, 1875	86	31	7	361
Cultivator.....	A. Schrader.....	166, 636	Aug. 10, 1875	432	133	8	266
Cultivator.....	E. Shupe.....	162, 700	Apr. 27, 1875	1055	336	7	733
Cultivator.....	J. A. Thompson.....	168, 296	Sept. 28, 1875	872	279	8	553
Cultivator.....	F. W. Tolley.....	161, 455	Mar. 30, 1875	1149	371	7	1130
Cultivator.....	T. F. and W. Vandegrift	165, 136	June 29, 1875	1232	396	7	537
Cultivator.....	W. Weaver.....	166, 044	July 27, 1875	905	279 } 280 } 281 }	8	169
Cultivator.....	G. Wilkinson.....	166, 050	July 27, 1875	911	281	8	170
Cultivator.....	H. Winfield and W. P. Flynn.	168, 074	Sept. 21, 1875	656	202	8	515
Cultivator and chopper, Rotary	G. W. Fenley.....	163, 061	May 11, 1875	323	104	7	796
Cultivator and harrow, Combined	G. Croll.....	169, 677	Nov. 9, 1875	354	112	8	789
Cultivator and harrow, Combined	I. P. Pickering.....	168, 181	Sept. 28, 1875	772	245	8	538
Cultivator and harrow, Combined	E. M. Potter.....	163, 523	May 18, 1875	769	243	7	870
Cultivator, Corn	A. F. Batcheller.....	164, 960	June 29, 1875	1082	348	7	1110
Cultivator, Disk harrow	S. G. Randall.....	161, 060	Mar. 23, 1875	754	249	7	479
Cultivator-frame	W. M. Coston.....	167, 226	Aug. 31, 1875	1035	321	8	377
Cultivator-plow harrow attachment	F. D. Ladenberger.....	171, 391	Dec. 21, 1875	722	237	8	1061
Cultivator, Revolving	E. C. Winters.....	163, 346	May 18, 1875	604	193	7	849
Cultivator, Revolving	N. S. Wood.....	158, 663	Jan. 12, 1875	294	99	7	65
Cultivator, Rotary	J. H. Coon.....	164, 428	June 15, 1875	576	186	7	1027
Cultivator, Rotary spade	D. W. Brodnax, sr.....	170, 661	Dec. 7, 1875	7	2	8	952
Cultivator-shovel	T. J. Houston.....	158, 375	Jan. 5, 1875	21	7	7	11
Cultivator, Strawberry	J. Orlando.....	162, 761	May 4, 1875	23	8	7	750
Cultivator, Sulky	B. C. Cox.....	164, 148	June 8, 1875	292	100	7	922
Cultivator, Sulky	J. Spain.....	168, 537	Oct. 5, 1875	201	66	8	592
Cultivator-teeth	J. Flynn.....	166, 979	Aug. 24, 1875	783	241	8	335
Cultivator-teeth	R. P. Odell, jr.....	158, 512	Jan. 5, 1875	143	48	7	29
Cultivator-teeth, Coupling-joint for	E. Children.....	158, 906	Jan. 19, 1875	536	179	7	113
Cultivator teeth, Grass	E. Leonard.....	160, 444	Mar. 2, 1875	167	58	7	372
Cultivator-teeth, Self-locking	J. Harris.....	170, 627	Nov. 30, 1875	1295	408	8	937
Cultivator, Wheel	G. S., G. W., and E. A. Brower	159, 560	Feb. 9, 1875	314	102	7	285
Cultivator, Wheel	W. P. Dale.....	161, 102	Mar. 23, 1875	800	263	7	484
Cultivator, Wheel	E. E. Leach.....	159, 689	Feb. 9, 1875	423	141	7	251
Cultivator, Wheel	G. W. Schenck.....	166, 417	Aug. 3, 1875	220	66	8	230
Cultivator, Wheel	J. Stafford.....	158, 752	Jan. 12, 1875	365	125	7	75
Cup:							
See Berry-cup.	Oil-cup.						
Breast-cup.	Seasoning-cup.						
Draftsman's mixing-cup.	Shaving-cup.						
Drinking-cup.	Sponge-cup.						
Glue-cup.	Toy-cup.						
Jelly-cup.	Umbrella-tip cup.						
Cupboard and sink combined	H. Cull.....	161, 389	Mar. 30, 1875	1090	353	7	529
Cupboard, &c., catch	C. G. Schneider.....	164, 941	June 29, 1875	1066	343	7	1108
Cupola-furnace	J. Blakency.....	165, 980	July 27, 1875	849	261	8	161
Curb for streets, Iron	R. Harrington.....	164, 168	June 8, 1875	314	106	7	984
Curd-cutter	A. and E. H. Sedgwick	170, 405	Nov. 23, 1875	1069	337	8	899
Curling-iron	J. M. Baxter.....	160, 637	Mar. 9, 1875	351	118	7	408
Curling-iron	S. Feder and L. Losenstein	158, 479	Jan. 5, 1875	113	38	7	25
Curling-iron	L. Wilkinson.....	161, 313	Mar. 23, 1875	998	326	7	510
Currency-holder, Spring-clasp	B. W. James.....	166, 613	Aug. 10, 1875	409	126	8	265
Curry-comb	J. H. Barringer.....	162, 455	Apr. 27, 1875	830	267	7	705
Curry-comb	J. O. Berry.....	161, 654	Apr. 6, 1875	57	21	7	577
Curry-comb	G. Havell.....	161, 787	Apr. 6, 1875	169	58	7	593
Curry-comb	C. E. L. Holmes.....	170, 265	Nov. 23, 1875	944	295	8	881
Curry-comb	C. A. Hotchkiss.....	168, 745	Oct. 11, 1875	413	134	8	631
Curry-comb	C. A. Hotchkiss.....	170, 733	Dec. 7, 1875	73	23	8	960
Curry-comb	C. A. Hotchkiss.....	170, 734	Dec. 7, 1875	74	23	8	960
Curry-comb	C. A. Hotchkiss.....	170, 735	Dec. 7, 1875	75	23	8	960
Curry-comb	C. A. Hotchkiss.....	170, 736	Dec. 7, 1875	75	24	8	960
Curry-comb	C. A. Hotchkiss.....	170, 857	Dec. 7, 1875	179	61	8	974
Curry-comb	W. T. Kellogg.....	162, 753	May 4, 1875	16	6	7	749
Curry-comb	W. P. Kellogg.....	162, 754	May 4, 1875	17	6	7	749
Curry-comb	W. P. Kellogg and J. W. Trussell	171, 386	Dec. 21, 1875	712	235 } 236 }	8	1061
Curry-comb	A. F. Migeon.....	162, 299	Apr. 20, 1875	656	214	7	675
Curry-comb	M. L. Simonson.....	170, 455	Nov. 30, 1875	1129	356	8	916
Curry-comb	T. Steers, jr.....	162, 868	May 4, 1875	121	39	7	763
Curry-comb	R. P. Van Horn.....	166, 234	Aug. 3, 1875	45	14	8	205
Curry-comb	R. F. Walsh.....	168, 815	Oct. 11, 1875	474	155	8	639
Curtain-cord fastener	L. Knudson.....	166, 115	July 27, 1875	975	300	8	179
Curtain-cord holder	F. E. Wagner.....	164, 238	June 8, 1875	376	128	7	993
Curtain-fastener	T. E. King.....	170, 674	Dec. 7, 1875	19	6	8	953
Curtain-fastening	J. B. Weller and F. G. Hopkins.	158, 658	Jan. 12, 1875	291	97	7	64
Curtain-fixture	F. Backofen.....	169, 406	Nov. 2, 1875	75	23	8	45
Curtain-fixture	J. S. Brown.....	165, 299	July 6, 1875	140	43	8	28
Curtain-fixture	C. Buckley and L. L. Sawyer.	161, 477	Mar. 30, 1875	1170	376	7	539
Curtain-fixture	H. E. Busch.....	160, 872	Mar. 16, 1875	583	190	7	446
Curtain-fixture	H. M. Converse.....	164, 524	June 15, 1875	655	212	7	1038
Curtain-fixture	G. W. Corey.....	168, 456	Oct. 5, 1875	120	42	8	582
Curtain-fixture	H. L. De Zeng.....	169, 090	Oct. 26, 1875	765	248	8	695
Curtain-fixture	O. Ellsworth.....	161, 496	Mar. 30, 1875	1196	384	7	543
Curtain-fixture	L. H. Gano.....	167, 758	Sept. 14, 1875	350	111	8	463

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Curtain-fixture	W. Gates	149,801	Nov. 9, 1875	487	153	8	806
Curtain-fixture	H. L. Hall	161,407	Mar. 30, 1875	1107	358	7	531
Curtain-fixture	E. M. Judd	162,564	Apr. 27, 1875	924	297	7	717
Curtain-fixture	E. M. Judd	171,385	Dec. 21, 1875	712	235	8	1061
Curtain-fixture	A. H. Knapp	161,243	Mar. 23, 1875	931	303	7	501
Curtain-fixture	E. B. Lake	159,424	Feb. 2, 1875	165	56	7	207
Curtain-fixture	E. B. Lake	162,666	Apr. 27, 1875	1016	325	7	728
Curtain-fixture	E. B. Lake	169,450	Nov. 2, 1875	115	37	8	751
Curtain-fixture	E. B. Lake	170,277	Nov. 23, 1875	933	298	8	883
Curtain-fixture	W. H. Maine	170,006	Nov. 16, 1875	680	213	8	839
Curtain-fixture	G. C. Mathers	159,944	Feb. 16, 1875	676	224	8	290
Curtain-fixture	G. C. Mathers	169,822	Nov. 9, 1875	507	159	8	808
Curtain-fixture	H. McGahey and J. King	162,488	Apr. 27, 1875	861	276	7	709
Curtain-fixture	C. H. Miller	171,034	Dec. 14, 1875	356	119	10	1005
Curtain-fixture	G. W. Peirce	170,298	Nov. 23, 1875	972	304	8	825
Curtain-fixture	S. H. Phinney	160,278	Mar. 2, 1875	20	8	7	352
Curtain-fixture	R. J. Pospisil	168,921	Oct. 19, 1875	56	193	8	663
Curtain-fixture	C. P. Rose	160,718	Mar. 9, 1875	425	141	7	418
Curtain-fixture	H. Sechansen	166,561	Aug. 10, 1875	365	112	8	253
Curtain-fixture	W. H. Sparks	164,882	June 22, 1875	993	320	7	1091
Curtain-fixture	W. H. Sparks	169,309	Oct. 26, 1875	962	312	7	723
Curtain-fixture bracket	J. Chase	164,073	June 8, 1875	229	80	7	973
Curtain-roller	R. J. Fisher and J. Lichtenberger	169,979	Nov. 16, 1875	657	206	8	835
Curtain-roller	P. W. Phillips	165,261	July 20, 1875	723	220	8	132
Curtain-roller and bracket	G. W. Beers	167,056	Aug. 24, 1875	854	266	8	345
Curtain-roller and bracket	O. Ellsworth	170,072	Nov. 16, 1875	745	236	8	847
Curtain-roller and bracket	W. H. Taylor and T. Donahue	170,205	Nov. 23, 1875	890	278	8	874
Curtain-roller and bracket	H. L. Judd	170,740	Dec. 7, 1875	78	25	8	961
Curtain-roller, Extension	O. P. Furman	164,440	June 15, 1875	584	190	7	1029
Curtain-rollers, Device for operating	F. H. Bettys	164,361	June 15, 1875	509	167	7	1019
Cushion: See Billiard-cushion.	Billiard-table cushion.						
Cushion-cleaning machine	J. R. Barry	166,841	Aug. 17, 1875	633	197	8	307
Cuspadore	G. Booth	167,725	Sept. 14, 1875	325	103	8	459
Cuspadore	J. E. Connolly	170,819	Dec. 7, 1875	149	49	8	970
Cuspadore	J. C. Moore	170,883	Dec. 7, 1875	199	69	8	977
Cuspadores, &c., Machine for ornamenting	C. M. Lyou	169,278	Oct. 26, 1875	930	302	8	718
Cut-off, Automatic cistern	H. L. Wells	162,361	Oct. 5, 1875	39	14	8	570
Cut-off, Automatic rain-water	T. C. Fawcett	162,966	Apr. 20, 1875	720	235	7	683
Cut-off, Cistern	T. B. Harrison	167,526	Sept. 7, 1875	131	39	8	424
Cut-off for shot-boxes	H. C. Wey	162,326	Apr. 20, 1875	620	222	7	678
Cut-off, Rain-water	M. Gmeiner	162,053	Apr. 13, 1875	413	138	7	637
Cut-off, Rain-water	J. P. Hess	162,382	Apr. 20, 1875	738	240	7	685
Cut-off, Rain-water	H. Wilkins	169,609	Nov. 2, 1875	272	88	8	771
Cut-off valve	W. F. Martin	170,483	Nov. 30, 1875	1157	364	8	919
Cut-off-valve-adjusting apparatus	H. C. Bull	159,071	Jan. 26, 1875	711	234	7	144
Cut-off-valve gear	H. Bilgram	158,669	Jan. 12, 1875	298	101	7	66
Cut-off-valve gear	H. Bilgram	164,132	June 8, 1875	280	96	7	980
Cut-off, Steam-engine	D. H. Smith	161,451	Mar. 30, 1875	1144	369	7	536
Cut-off, Steam-engine adjustable	H. Webster	159,130	Jan. 26, 1875	764	251	7	151
Cutley, Attaching hollow handles to	O. W. Taft	161,295	Mar. 23, 1875	982	321	7	507
Cutlery-handle	O. W. Taft	160,969	Mar. 16, 1875	669	218	7	458
Cutlery-handles, Die for making pocket	W. H. Miller	160,059	Feb. 23, 1875	803	264	7	314
Cutlery-handles, Securing	E. C. Carleton	161,752	Apr. 6, 1875	140	48	7	589
Cutter: See Biscuit-cutter.	Peat cutter.						
Boil and rivet cutter.	Peg-cutter.						
Bread-cutter.	Pipe-cutter.						
Button-hole cutter.	Planer-cutter.						
Cake-cutter.	Planing-machine cutter.						
Cheese-cutter.	Screw-thread cutter.						
Cigar-tip cutter.	Sod-cutter.						
Corn cutter.	Stalk-cutter.						
Corn-stalk cutter.	Stencil-cutter.						
Card-cutter.	Straw-cutter.						
Feed-cutter.	Thrashing-machine band-cutter.						
Fodder-cutter.	Tobacco-cutter.						
Glass-cutter.	Twine-cutter.						
Harvester-cutter.	Vegetable-cutter.						
Matching-cutter.	Washer-cutter.						
Meat-cutter.	Weed-cutter.						
Mortise cutter.							
Paper-cutter.							
Cutter and cutter-holder	T. T. Nash	168,576	Oct. 11, 1875	261	85	8	608
Cutter-bit	A. Streit	169,204	Oct. 26, 1875	859	280	8	709
Cutter-head	M. Buck	162,536	Apr. 27, 1875	892	285	7	713
Cutter-head	S. P. Randolph	165,868	July 20, 1875	728	222	8	133
Cutter-head	F. Schwamb	161,447	Mar. 30, 1875	1140	368	7	536
Cutter-head	G. J. Shimer	159,236	Jan. 26, 1875	854	279	7	164
Cutter-head	A. W. Slayton	161,287	Mar. 23, 1875	975	319	7	507
Cutter-stock, Manufacture of	L. Hardy	171,127	Dec. 14, 1875	450	148	8	1018
Cutters, Adjustable draft-bar for	J. P. Thompson	171,064	Dec. 14, 1875	387	128	8	1009
Cutting and polishing machine	A. B. Walters and C. Saunders	159,484	Feb. 2, 1875	230	75	7	216
Cutting and punching press	M. Von Cullu	171,452	Dec. 21, 1875	771	254	8	1063
Cutting-instrument	G. A. Baker	162,007	Apr. 13, 1875	373	125	7	632
Cutting irregular forms, Machine for	G. A. Halev	158,793	Jan. 19, 1875	428	141	7	99
Cyclophero	R. C. Gwathmey	165,818	July 20, 1875	676	207	8	126
Cylinder, Drying	J. Butterworth	163,150	May 11, 1875	401	129	7	807
Cylinders, Lining for	E. Hill, jr.	158,587	Jan. 12, 1875	226	76	7	55
D.							
Dairies, Cooling	J. Wilkinson	159,055	Jan. 26, 1875	699	230	7	142
Dam, Adjustable	W. Smith	167,946	Sept. 21, 1875	524	{ 167 } { 168 }	8	497

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Damper.....	S. Stewart.....	161, 714	Apr. 6, 1875	104	37	7	584
Damper.....	H. A. White.....	158, 875	Jan. 19, 1875	501	168	7	109
Damper, Automatic.....	S. F. Gold.....	168, 737	Oct. 11, 1875	408	152	8	630
Damper, Furnace.....	J. Woodruff.....	160, 496	Mar. 2, 1875	217	75	7	380
Damper, Furnace.....	J. Woodruff.....	160, 497	Mar. 2, 1875	219	75	7	380
Damper-regulator, Automatic.....	R. Tomlinson and J. Smith.....	159, 477	Feb. 2, 1875	224	73	7	215
Damper, Stove-pipe.....	R. M. Breckenridge.....	160, 386	Mar. 2, 1875	113	41	7	365
Damper, Stove-pipe.....	G. W. Leading.....	162, 757	May 4, 1875	19	7	7	749
Damper, Stove-pipe.....	S. Selden and M. Griswold, jr.....	161, 064	Mar. 23, 1875	757	250	7	479
Damper, Stove-pipe.....	H. H. Wilson and W. H. Rolfe.....	162, 511	Apr. 27, 1875	681	282	7	711
Damper, Stove-pipe.....	A. A. Scroder.....	163, 169	May 11, 1875	364	118	7	802
Damper, Ventilating.....	O. S. Hosmer.....	162, 656	Apr. 27, 1875	1002	322	7	727
Darwing-machine.....	C. C. Schwaner.....	159, 848	Feb. 16, 1875	587	194	7	278
Dash-board.....	G. Schaffner.....	159, 283	Feb. 2, 1875	37	13	7	190
Dash-boards, Attaching.....	J. A. Kincaid.....	160, 020	Feb. 23, 1875	768	253	7	509
Dasher-flap fastener.....	C. Newman.....	159, 038	Jan. 26, 1875	684	225	7	140
Demijohn.....	C. Newman.....	161, 264	Mar. 23, 1875	955	311	7	504
Demijohn-case.....	C. Newman.....	161, 264	Mar. 23, 1875	955	311	7	504
Demijohn for malt liquors.....	D. H. Shourds.....	170, 906	Dec. 7, 1875	221	76	8	980
Dental and barber's chair.....	S. C. Megill.....	169, 825	Nov. 9, 1875	509	159 160	8	808
Dental articulator.....	C. D. Cheney.....	161, 931	Apr. 13, 1875	314	105	7	624
Dental bib.....	R. Horton.....	162, 170	Apr. 20, 1875	539	177	7	660
Dental cement.....	M. T. Labbé.....	166, 878	Aug. 17, 1875	675	.....	8	312
Dental chair.....	E. T. Starr.....	171, 443	Dec. 21, 1875	765	252	8	1067
Dental-chair head-rest.....	E. T. Starr.....	171, 539	Dec. 28, 1875	873	285	8	1090
Dental drill.....	S. S. White.....	167, 208	Aug. 31, 1875	1020	317	8	375
Dental-drill hand-piece.....	J. W. Gilbert.....	171, 009	Dec. 14, 1875	337	112	8	1002
Dental engine.....	H. M. Edson and R. S. Evans.....	160, 406	Mar. 2, 1875	131	46, 47	7	367
Dental engine.....	S. D. Engle.....	169, 345	Nov. 2, 1875	20	6	8	737
Dental engine.....	W. W. Evans.....	169, 346	Nov. 2, 1875	22	7	8	738
Dental engine.....	W. W. Evans.....	169, 347	Nov. 2, 1875	23	7	8	738
Dental engine.....	E. P. Ryder.....	169, 375	Nov. 2, 1875	54	16	8	742
Dental-engine attachment.....	T. L. Buckingham, E. T. Starr, and S. S. White.....	170, 342	Nov. 23, 1875	1010	317	8	891
Dental engine, Electro-magnetic.....	J. Bishop.....	166, 843	Aug. 17, 1875	635	198	8	307
Dental-engine fan.....	E. E. Hopkins and G. A. Reidler.....	168, 023	Sept. 21, 1875	593	190	8	507
Dental-engine hand-piece.....	G. H. Cushing.....	169, 342	Nov. 2, 1875	17	6	8	737
Dental-engine hand-piece.....	J. W. Gilbert.....	158, 932	Jan. 19, 1875	561	186	7	116
Dental-engine hand-piece.....	W. A. Johnston.....	169, 003	Oct. 19, 1875	655	216	8	673
Dental-engine hand-piece.....	E. T. Starr.....	170, 125	Nov. 16, 1875	791	251	8	853
Dental-engine tool-carrier.....	T. Cogswell.....	170, 057	Nov. 16, 1875	724	230	8	845
Dental engines, Apparatus for protecting and moisten- ing the disks of.....	E. T. Starr.....	159, 048	Jan. 26, 1875	692	228	7	141
Dental engines, Burring and finishing tool for.....	F. Hickman.....	158, 377	Jan. 4, 1875	22	8	7	12
Dental engines, Tooth-polishing attachment for.....	C. B. Ansart.....	159, 626	Feb. 9, 1875	361	120	7	243
Dental filing.....	L. W. Sutton, jr.....	168, 680	Oct. 11, 1875	354	.....	8	623
Dental filings, Preparing.....	R. S. Williams.....	167, 813	Sept. 14, 1875	402	129	8	471
Dental flask.....	W. C. Tracy.....	163, 615	May 25, 1875	865	272	7	691
Dental flask.....	C. A. White.....	162, 129	Apr. 13, 1875	484	160	7	646
Dental flask for rubber.....	S. D. Palmer.....	159, 442	Feb. 2, 1875	182	62	7	210
Dental forceps.....	N. A. Durham.....	165, 808	July 20, 1875	666	204	8	124
Dental forceps.....	A. Engel.....	164, 820	June 22, 1875	933	302	7	183
Dental forceps.....	L. J. P. E. Gaillard.....	168, 012	Sept. 21, 1875	581	187	8	505
Dental instruments, Hand-piece for.....	J. W. Gilbert.....	158, 635	Jan. 12, 1875	265	90	7	61
Dental nallet.....	J. T. Codman.....	162, 154	Apr. 20, 1875	522	172	7	638
Dental nallet, Automatic.....	I. A. Salmon.....	166, 228	Aug. 3, 1875	39	13	8	204
Dental mirror.....	T. Cogswell.....	163, 578	May 25, 1875	828	262	7	886
Dental plate.....	J. N. Clark.....	160, 573	Mar. 9, 1875	297	100	7	400
Dental plate.....	D. M. Lamb.....	159, 687	Feb. 9, 1875	422	140	7	251
Dental plate.....	G. V. Pelyea.....	160, 714	Mar. 9, 1875	421	140	7	413
Dental plates, Apparatus for forming.....	F. L. Hearson and J. H. Moseley.....	161, 033	Mar. 23, 1875	732	241	7	476
Dental plates, Attaching disks to.....	Q. A. Scott.....	170, 776	Dec. 7, 1875	112	35	8	965
Dental plates, Manufacture of.....	F. and G. G. Hickman.....	167, 336	Aug. 31, 1875	1129	355	8	391
Dental plugger.....	J. W. Baxter.....	158, 888	Jan. 19, 1875	515	172	7	110
Dental plugger.....	C. Bilharz.....	165, 701	July 20, 1875	565	172	8	110
Dental plugger.....	T. Crossett.....	166, 752	Aug. 17, 1875	557	171	8	295
Dental plugger.....	R. B. Donaldson.....	161, 393	Mar. 30, 1875	1093	355	7	530
Dental plugger.....	L. J. P. E. Gaillard.....	159, 173	Jan. 26, 1875	802	262	7	156
Dental plugger.....	A. J. Polk.....	166, 139	July 27, 1875	1601	308	8	183
Dental plugger.....	G. Keftus.....	167, 197	Aug. 31, 1875	1010	314	8	374
Dental plugger.....	E. S. Rider.....	143, 412	May 18, 1875	660	211	7	857
Dental plugger.....	E. S. Rider.....	171, 170	Dec. 14, 1875	489	162	8	1023
Dental plugger.....	E. T. Starr.....	167, 213	Aug. 31, 1875	1015	316	8	375
Dental plugger.....	S. D. Strohm.....	170, 129	Nov. 16, 1875	795	252	8	854
Dental plugger.....	A. Williams.....	164, 244	June 8, 1875	380	129	7	993
Dental plugger, Automatic.....	G. W. Levin.....	166, 709	Aug. 17, 1875	517	158	8	229
Dental plugger, Automatic.....	G. W. Levin.....	166, 710	Aug. 17, 1875	518	159	8	229
Dental plugger, Electro-magnetic.....	W. G. A. Bonwill.....	170, 045	Nov. 16, 1875	713	226	8	843
Dental plugger, Electro-magnetic.....	G. F. Green.....	171, 119	Dec. 14, 1875	441	146	8	1017
Dental plugger, Electro-magnetic.....	G. F. Green.....	171, 120	Dec. 14, 1875	443	146	8	1017
Dental plugger, Electro-magnetic.....	G. F. Green.....	171, 121	Dec. 14, 1875	444	146	8	1017
Dental plugger, Electro-magnetic.....	G. F. Green.....	171, 123	Dec. 14, 1875	447	147	8	1017
Dental plugger, Pneumatic.....	G. W. Nichols.....	158, 863	Jan. 19, 1875	491	165	7	107
Dental pluggers, Attachment to automatic.....	L. Duvinage.....	163, 306	May 18, 1875	567	181	7	844
Dental polishing-tool.....	L. F. Locke.....	170, 178	Nov. 23, 1875	667	271	8	871
Dental polishing-tool.....	S. S. White.....	169, 753	Nov. 9, 1875	436	138	8	799
Dental pot.....	C. A. White.....	162, 128	Apr. 13, 1875	483	159 160	7	646
Dental reflector.....	F. M. Osborn.....	159, 836	Feb. 16, 1875	576	191	7	276
Dental rubber dams, Clamp for.....	D. Palmer.....	164, 870	June 22, 1875	981	317	7	1069
Dental tool, Electro-magnetic.....	G. F. Green.....	159, 028	Jan. 26, 1875	670	221	7	138
Dental tools, &c., Vulcanized-rubber handles for.....	R. B. Donaldson.....	171, 106	Dec. 14, 1875	424	141	8	1014
Dental vulcanizing apparatus.....	H. M. Edson.....	163, 755	May 25, 1875	952	311	7	906
Dental vulcanizing apparatus.....	F. Heindsmann.....	163, 323	July 6, 1875	169	51	8	32

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Dentifrice composition	A. C. Dung	164, 433	June 15, 1875	579	.....	7	1028
Dentist's cabinet	T. Cogswell	159, 501	Feb. 9, 1875	258	84	7	228
Dentist's chair	G. W. Archer	158, 880	Jan. 19, 1875	505	169	7	109
Dentist's chair	J. B. Newbrough	170, 012	Nov. 16, 1875	685	215	8	839
Deodorizer for bed-vessels	H. M. Small	159, 773	Feb. 16, 1875	520	173	7	269
Derrick	C. L. Duroy	159, 024	Jan. 26, 1875	673	219	7	138
Derrick	B. Freeman	167, 398	Sept. 7, 1875	18	5	6	409
Derrick	M. Gray	166, 202	Aug. 3, 1875	18	6	8	201
Derrick	W. C. Wetherill	167, 863	Sept. 21, 1875	462	146	8	487
Derricks, Machine for operating	A. Jackson	169, 996	Nov. 16, 1875	670	210	8	837
Desk	J. McClurg	169, 651	Nov. 9, 1875	330	104	8	786
Desk and baggage-check box, Combined	G. E. Nichols	169, 028	Oct. 19, 1875	682	224	8	676
Desk and seat, School	H. L. Andrews	164, 248	June 8, 1875	386	131	7	994
Desk and wash-stand, Combined	E. E. Everitt	168, 732	Oct. 11, 1875	402	131	8	629
Desk, Combined reading and writing	L. G. Fairbank	166, 516	Aug. 10, 1875	327	99	8	253
Desk, Folding school	D. I. Stagg	167, 033	Aug. 24, 1875	832	260	8	342
Desk, Office	F. H. Cutler	168, 450	Oct. 5, 1875	123	43	8	583
Desk, Reading and writing	E. W. Stiles	167, 586	Sept. 7, 1875	184	57	8	432
Desk, School	J. A. Dole	171, 272	Dec. 21, 1875	615	201	8	1047
Desk, School	H. R. Fry	164, 160	June 8, 1875	303	104	7	963
Desk, School	T. Redmayne	169, 478	Nov. 2, 1875	141	46	8	754
Desks, Folding seat for school	U. Smith	163, 611	May 25, 1875	863	271	7	890
Desks, Hinge-joint for school	C. H. Presbrey	162, 099	Apr. 13, 1875	451	150	7	642
Detergent composition	J. W. Munger	170, 183	Nov. 23, 1875	871	.....	8	871
Devaporizing apparatus	L. K. Fuller	170, 844	Dec. 7, 1875	169	58	8	973
Dial, Gage	G. H. Crosby and A. C. Meady	164, 908	June 29, 1875	1035	334	7	1104
Dial, Sun	W. H. McCoy	165, 746	July 20, 1875	603	185	8	116
Diamonds in drills, Method of setting	C. A. Terrey	160, 484	Mar. 2, 1875	205	70	7	378
Diamonds in metallic holders, Fitting	J. W. Brauch	167, 216	Aug. 31, 1875	1027	319	8	376
Diaper-pin	E. H. Gaylord	167, 328	Aug. 31, 1875	1122	352	8	390
Die: See Bolt-heading die.      Screw-cutting die. Horseshoe-c r e a s i n g      Screw-heading die. die.							
Die-stock	J. J. Grant	167, 165	Aug. 31, 1875	985	306	8	370
Die-stock	V. J. Reece	167, 472	Sept. 7, 1875	79	25	8	417
Die-stocks, Threading	A. Saunders	170, 119	Nov. 16, 1875	786	249	8	853
Digger: See Post-hole digger.      Potato-digger.							
Dinner-box	J. S. Davis	167, 648	Sept. 14, 1875	250	78	8	448
Dip-pipe of gas-works	A. Thomson	161, 298	Mar. 23, 1875	984	322	7	508
Dip-pipe of hydraulic gas-mains	P. Munzinger	167, 555	Sept. 7, 1875	154	48	8	428
Dip-pipe used in gas-making apparatus, Movable	W. Farmer	167, 603	Sept. 14, 1875	214	66	8	443
Direct-acting engine	J. R. Paddock	167, 408	Sept. 7, 1875	26	8	8	410
Dish, Air-tight	P. Shaw	160, 226	Mar. 2, 1875	27	11	7	352
Dish-cloth holder	J. M. Brown	170, 519	Nov. 30, 1875	1189	375	8	924
Dish, Covered	W. E. Hawkins	165, 926	July 27, 1875	797	244	8	154
Dish-drainer	J. A. Fox	160, 176	Feb. 23, 1875	898	296	7	328
Dish-stand, Wire	W. F. Collier	166, 346	Aug. 3, 1875	146	45	8	220
Dish, Vegetable	E. Portington	164, 208	June 8, 1875	346	118	7	989
Dish-washer	W. N. Cosgrove	158, 684	Jan. 12, 1875	311	106	7	68
Dish-washer	M. E. Whiteside	170, 923	Dec. 7, 1875	235	81	8	982
Dish-washing machine	H. H. Hall	166, 098	July 27, 1875	960	296	8	177
Disinfecter and inhaler, Pocket	H. G. Dayton	168, 972	Oct. 19, 1875	628	208	8	670
Disinfecting, deodorizing and antiseptic composition	C. H. Bowen	168, 219	Sept. 28, 1875	804	.....	8	543
Disinfecting sick-room slop jars	C. F. Parker	166, 135	July 27, 1875	995	307	8	182
Disintegrating-mill	G. B. Davids	160, 884	Mar. 16, 1875	594	193	7	448
Disintegrating-mill	J. M. Hendricks	160, 771	Mar. 16, 1875	499	162	7	435
Disintegrating-mill	J. M. Hendricks	168, 642	Oct. 11, 1875	325	105	8	618
Dissolving and crystallizing apparatus	J. B. Root	163, 260	May 11, 1875	503	164	7	820
Distillation of hydrocarbon oils	T. McGowan	166, 285	Aug. 3, 1875	94	29	8	212
Distilling and rectifying liquors, Apparatus for	J. W. Reford	171, 426	Dec. 21, 1875	749	{ 246 } { 247 }	8	1065
Distilling oils	C. Van Devort and C. Van Vleet.	168, 542	Oct. 5, 1875	206	67	8	593
Ditching-machine	M. E. Burtless	168, 967	Oct. 19, 1875	623	{ 207 } { 210 }	8	669
Ditching-machine	H. H. Gray	158, 701	Jan. 12, 1875	325	110	7	70
Ditching-machine	J. E. Landrum	170, 631	Nov. 30, 1875	1299	410	8	938
Ditching-machine	H. and K. Olsen	166, 626	Aug. 10, 1875	421	130	8	267
Ditching-machine	T. F. Randolph	159, 118	Jan. 26, 1875	754	248	7	150
Ditching-machine	F. Taylor	167, 805	Sept. 14, 1875	393	126	8	469
Ditching-machine	J. F. Williamson and J. H. Sorey	159, 371	Feb. 2, 1875	116	40, 41	7	200
Dividers, compasses, and calipers, Adjustable mechanism of	J. H. Potts	164, 209	June 8, 1875	347	118	7	989
Dividers, Lead-holder for	S. L. Fox	162, 048	Apr. 13, 1875	409	137	7	637
Dock and ponton, Floating	J. L. Clark and J. Standfield	162, 531	Apr. 27, 1875	897	{ 286 } { 287 }	7	713
Dock, Floating	J. L. Clark and J. Standfield	169, 010	Oct. 19, 1875	663	218	8	674
Docks, &c., Vessel for removing foul water from	H. H. Vogeding	165, 894	July 20, 1875	751	230	8	136
Doffer-combs, Mechanism for operating	J. K. Proctor	166, 408	Aug. 3, 1875	210	63	8	228
Doll	W. Miller	164, 552	June 15, 1875	703	229	7	1045
Doll	A. W. Monroe	159, 437	Feb. 2, 1875	178	60	7	209
Doll-heads, &c., Manufacture of	E. S. Judge	166, 111	July 27, 1875	971	.....	8	179
Doll, Walking	A. E. Hotchkiss	167, 899	Sept. 21, 1875	490	155	8	491
Domino	C. M. Hyatt	162, 072	Apr. 13, 1875	425	143	7	639
Domino-spotting machine	I. S. J. W. and C. M. Hyatt	164, 840	June 22, 1875	951	308	7	1086
Door	W. C. Hurd	161, 965	Apr. 13, 1875	341	114	7	628
Door-alarm	D. E. Spoor and E. P. Searle	170, 108	Nov. 23, 1875	1072	338	8	899
Door and shutter fastener	D. W. Barr	162, 011	Apr. 13, 1875	376	126	7	632
Door-bolt	W. H. Birge	162, 117	Apr. 13, 1875	381	128	7	633
Door-bolt	W. C. Hurd	161, 681	Apr. 6, 1875	82	29	7	581
Door-bolt	H. J. Iles	167, 338	Aug. 31, 1875	1130	355	8	391
Door-check	C. W. Breidenbach and E. E. Euchenboper	169, 407	Nov. 2, 1875	80	25	8	745
Door-check	G. Burt	162, 217	Apr. 20, 1875	580	190	7	660

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Door-check	E. S. Granel	108, 151	Sept. 28, 1875	747	236	8	535
Door-check	D. Gundelfinger	161, 505	Mar. 30, 1875	1204	386	7	544
Door-check	M. H. Matsinger	162, 934	May 4, 1875	182	60	7	771
Door-check	J. H. McClymonds	163, 847	July 20, 1875	709	216	8	130
Door-check	J. Naughten	165, 607	July 13, 1875	462	141	8	81
Door-check	G. Royle	160, 285	Mar. 2, 1875	26	10	7	352
Door-check	W. Vandeventer	167, 590	Sept. 7, 1875	187	58	8	432
Door-check	W. H. Willis	164, 701	June 23, 1875	826	269	7	1070
Door-checks, Attaching rubber cushions to	J. Shepard	160, 476	Mar. 2, 1875	196	67	7	377
Door-hanger	T. Harris	169, 695	Nov. 9, 1875	378	118	8	792
Door-hanger	J. Herald and E. S. Rumsey	158, 796	Jan. 19, 1875	431	144	7	100
Door-hanger	W. Johnston	160, 598	Mar. 9, 1875	319	108	7	403
Door-hanger	J. Lumbert	161, 619	Apr. 6, 1875	26	11	7	572
Door-hanger, Sliding	L. A. Cook	168, 618	Oct. 11, 1875	299	97	8	614
Door-key, Folding	B. Erbe	160, 660	Mar. 9, 1875	372	125	7	411
Door-knob	A. Rankin	169, 036	Oct. 19, 1875	658	227	8	677
Door-lock	D. F. Austin	169, 611	Nov. 9, 1875	288	93	8	781
Door-lock	C. L. Bates	169, 401	Nov. 2, 1875	76	23	8	745
Door-lock	A. Goldfinger	165, 995	July 27, 1875	863	265	8	163
Door, &c., lock	J. G. L. Martin	166, 619	Aug. 10, 1875	415	128	8	266
Door-lock	J. G. L. Martin	166, 620	Aug. 10, 1875	417	128	8	266
Door-lock	W. Unverzagt	165, 041	June 29, 1875	1147	370	7	1119
Door, &c., lock	P. Werni	162, 984	May 4, 1875	233	75	7	778
Door, &c., lock	H. Winn	160, 859	Mar. 16, 1875	572	186	7	445
Door, &c., lock	H. Winn	161, 315	Mar. 23, 1875	1000	327	7	510
Door, &c., lock	H. Winn	161, 371	Mar. 30, 1875	1069	348	7	527
Door lock, Sliding	F. Corbin	166, 505	Aug. 10, 1875	319	96	8	252
Door lock, Sliding	T. Lyon and E. Parker	166, 470	Aug. 10, 1875	291	87	8	248
Door-mat	O. Rice	158, 441	Jan. 5, 1875	71	27	7	20
Door-mat	O. Rice	163, 411	May 18, 1875	659	211	7	837
Door-plate	B. D. Stevens	160, 482	Mar. 2, 1875	202	69	7	377
Door-plate-casting mold	F. L. Dodge and C. E. Smith	169, 154	Oct. 26, 1875	820	266	8	763
Door pull, Sliding	H. H. Elwell	170, 357	Nov. 23, 1875	1022	320	8	893
Door-screen	A. A. Carter	171, 501	Dec. 28, 1875	841	271	8	1086
Door-securer	G. Burt	168, 556	Oct. 11, 1875	238	78	8	605
Door-securer	L. Marks	164, 688	June 23, 1875	811	265	7	1068
Door-sill	T. F. McEly	163, 244	May 11, 1875	468	151	7	816
Door-spring	A. T. Ballantine	159, 785	Feb. 16, 1875	530	177	7	270
Door-spring	J. M. Blood	169, 405	Nov. 2, 1875	78	24	8	745
Door-spring	A. B. Chatfield	171, 549	Dec. 28, 1875	882	288	8	1092
Door-spring	O. F. Comfort	167, 989	Sept. 21, 1875	556	176	8	502
Door-spring	J. B. Cottom	158, 833	Jan. 19, 1875	465	156	7	104
Door-spring	D. R. Lewis	169, 110	Oct. 26, 1875	783	254	8	698
Door-spring	W. H. Myers	170, 887	Dec. 7, 1875	293	70	8	978
Door-spring	J. A. Robbins	171, 171	Dec. 14, 1875	491	162	8	1023
Door-spring	J. B. Starkweather	165, 626	July 13, 1875	485	147	8	84
Door-spring	L. A. Warner	167, 284	Aug. 31, 1875	1084	340	8	385
Door-spring attachment	W. M. Gray	169, 351	Nov. 2, 1875	26	8	8	738
Dose-register	D. L. Hawkins	163, 488	May 18, 1875	729	232	7	866
Double-tree clip	W. Beckert	169, 135	Oct. 26, 1875	804	261	8	701
Doubling and twisting machine	J. F. Wicks	168, 309	Sept. 28, 1875	881	282	8	554
Doubling-machine	T. Unsworth	169, 315	Oct. 26, 1875	909	313	8	724
Dough-kneading board	L. L. Black	160, 254	Mar. 2, 1875	2	1	7	349
Dough-mixer	E. G. Morrison	162, 187	Apr. 20, 1875	553	181	7	662
Dovetailing-machine	L. Atwood	169, 132	Oct. 26, 1875	802	260	8	701
Dovetailing-machine	C. P. Baile	167, 727	Sept. 14, 1875	318	102	8	458
Draft-equalizer	E. A. Beers	159, 558	Feb. 9, 1875	313	102	7	235
Draft-equalizer	W. H. Brown	161, 476	Mar. 30, 1875	1170	376	7	539
Draft-equalizer	J. M. Buckner	168, 370	Oct. 5, 1875	48	17	8	571
Draft-equalizer	H. Cartwright	170, 232	Nov. 23, 1875	915	285	8	877
Draft-equalizer	E. Graham	168, 248	Sept. 28, 1875	829	264	8	547
Draft-equalizer	A. Hunt and B. M. Butterfield	167, 337	Aug. 31, 1875	1130	355	8	391
Draft-equalizer	W. McClelland, sr.	161, 623	Apr. 6, 1875	30	12	7	573
Draft-equalizer	L. J. Seely	160, 355	Mar. 2, 1875	87	32	7	361
Draft-equalizer	H. Sensesbaugh	166, 630	Aug. 10, 1875	434	134	8	268
Draft-equalizer	L. F. Smith	170, 690	Dec. 7, 1875	35	10	8	955
Draft-equalizer	W. Snow	162, 584	Apr. 27, 1875	943	303	7	719
Draft-equalizer	S. E. Winsor	168, 639	Oct. 11, 1875	371	121	8	625
Draft-evenser	A. Whittemore	165, 395	July 6, 1875	242	73	8	41
Draft-regulator	J. Woodruff	160, 498	Mar. 2, 1875	219	76	7	380
Draftsman's mixing-cup	H. King	164, 308	June 8, 1875	445	147	7	10. 1
Drag	W. Gardner	159, 811	Feb. 16, 1875	556	185	7	273
Drag	D. Miller	168, 516	Oct. 5, 1875	179	58	8	590
Drag-rake handle	H. Smith and W. Galbraith	171, 325	Dec. 21, 1875	658	216	8	1053
Drain and sewer pipe	D. C. Sage	171, 245	Dec. 21, 1875	583	193	8	1044
Drain-pipe composition	W. H. Haight and T. S. Gladding	161, 84	June 8, 1875	240	77	7	975
Draw-bars, Spring-case for	J. Turner	161, 301	Mar. 23, 1875	988	323	7	508
Draw-head	J. H. Cartside	161, 335	Mar. 30, 1875	1033	337	7	522
Drawer	J. A. Knight	158, 423	Jan. 5, 1875	61	21, 22	7	18
Drawer and folding desk, Combined	J. A. Knight	158, 421	Jan. 5, 1875	60	21	7	17
Drawer-lock	R. W. Whitney	158, 876	Jan. 19, 1875	592	169	8	109
Drawer-locking device, Desk	J. H. Williams	170, 145	Nov. 16, 1875	812	256	8	856
Drawer-pull	W. N. Weedon	163, 557	May 18, 1875	796	252	7	874
Drawer, Tilting	W. S. Moses	171, 026	Dec. 14, 1875	357	119	8	1005
Drawers	J. J. Fitzpatrick	161, 773	Apr. 6, 1875	157	54	7	591
Drawers for invalids, Rubber	M. Bradley	167, 215	Aug. 31, 1875	1025	319	8	376
Drawing and spinning frames, Top-roll covering for	E. Atkinson and E. Edwards	165, 197	July 6, 1875	55	16	8	16
Drawing and spinning machine regulator, Hemp	J. Good	164, 545	June 15, 1875	672	218	7	1040
Drawing-board	W. B. O. Peabody	161, 982	Apr. 13, 1875	354	119	7	629
Drawing-board	J. B. Webb	159, 870	Feb. 16, 1875	609	201	7	281
Drawing-board attachment	J. C. Hintz	169, 543	Nov. 2, 1875	213	67, 68	8	762
Drawing-boards, Attaching T-squares to	W. B. Stevenson	165, 888	July 20, 1875	746	228	8	135

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Drawing-frame stopping mechanism.....	D. W. Hayden	166, 276	Aug. 3, 1875	82	26	8	211
Drawing-rolls, Clearer for.....	B. F. Gambrell and J. L. Sheridan	158, 698	Jan. 12, 1875	322	109	7	69
Dray, Three-wheeled.....	J. W. Minor	167, 776	Sept. 14, 1875	368	117	7	465
Dredge.....	G. Kahn	158, 717	Jan. 12, 1875	339	116	7	72
Dredge-box.....	E. Mather	161, 891	Apr. 13, 1875	277	93	7	630
Dredger, Pneumatic.....	W. Smith	165, 035	June 29, 1875	1141	368	7	1118
Dredger, Rotary.....	A. Hawley	171, 380	Dec. 21, 1875	707	{ 233 234	8	1060
Dredgers, Dikiog attachment for.....	G. W. Parsons	168, 409	Oct. 5, 1875	82	28	8	576
Dredging apparatus.....	W. H. Newton	168, 278	Sept. 28, 1875	837	273	8	550
Dredging-box.....	J. S. Field	160, 663	Mar. 9, 1875	375	126	7	411
Dredging-box.....	F. T. Goodwin and A. Ives	165, 670	July 20, 1875	539	154	7	107
Dredging-bucket.....	C. J. Sands	159, 223	Jan. 26, 1875	850	278	7	163
Dredging-bucket.....	C. J. Sands	169, 299	Oct. 26, 1875	951	308	8	721
Dredging-machine.....	R. R. Osgood	162, 849	May 4, 1875	103	33	7	760
Dredging-machine.....	R. R. Osgood	165, 608	July 13, 1875	463	142	8	81
Dredging-machine.....	R. R. Osgood and T. Brotherhood	162, 763	May 4, 1875	24	9	7	750
Dredging-machine.....	E. F. Kittle	159, 685	Feb. 9, 1875	420	140	7	250
Dredging-machine spud.....	E. A. Bliss	167, 428	Sept. 7, 1875	46	13	8	412
Dress-supporter clasp, Lady's.....	J. H. Horsfall	164, 087	June 8, 1875	242	83	7	975
Dressing-case or combined bureau and wardrobe.....							
Drier:							
See Brick-drier. Lumber-drier.							
Clothes drier. Paint-drier.							
Fertilizer-drier. Sand and gravel drier.							
Fruit-drier. Sugar-drier.							
Glue-drier. Tobacco-drier.							
Grain-drier. Wood-drier.							
Lard-drier.							
Drier.....	I. B. Cottrell	171, 355	Dec. 21, 1875	686	226	8	1057
Drier.....	J. F. Gent	165, 228	July 6, 1875	80	24	8	20
Drier.....	J. E. Register	161, 156	Mar. 23, 1875	850	277	7	490
Drier and bake-oven, Combined.....	J. Zimmerman	163, 564	May 18, 1875	802	254	7	875
Drier and baker.....	W. P. Corsa	164, 974	June 29, 1875	1091	352	7	1111
Drill:							
See Coal-shelling drill. Mining-drill.							
Corn-drill. Ratchet-drill.							
Dental drill. Rock-drill.							
Expansion-drill. Seed-drill.							
Grain-drill. Twist-drill.							
Metal drill. Well-boring drill.							
Metal-drilling drill.							
Drill and fertilizer distributor.....	A. S. Wishart	171, 461	Dec. 21, 1875	779	258	8	1069
Drill-bit.....	T. P. Farmer	161, 106	Mar. 23, 1875	804	264	7	485
Drill, countersink, and planer, Combined.....	W. McCrosson	158, 958	Jan. 19, 1875	586	194	7	119
Drill hand-protecting attachment.....	W. M. Hance	163, 067	May 11, 1875	328	106	7	797
Drill-holes, Apparatus for charging.....	R. G. Baldwin	166, 840	Aug. 17, 1875	643	197	8	306
Drill, planter, and roller, Combined.....	S. Brown	168, 714	Oct. 11, 1875	384	125	8	627
Drill-sharpening machine.....	W. H. Eddy	166, 515	Aug. 10, 1875	326	99	8	253
Drill-stock.....	J. Hammond	168, 741	Oct. 11, 1875	411	133	8	630
Drills from holes, Machine for removing broken.....	J. W. Platt	163, 406	May 18, 1875	655	209	7	856
Drilling apparatus.....	J. M. Kay	163, 503	May 18, 1875	747	237	7	868
Drilling machine, Metal.....	S. W. Putnam	170, 591	Nov. 30, 1875	1261	396	8	933
Drilling-machine, Portable.....	M. Stephenson	160, 361	Mar. 2, 1875	92	34	7	362
Drinking-cup, Invalid.....	W. W. Fowler	162, 640	Apr. 27, 1875	955	317	7	724
Drinks, Cup for effervescing.....	W. C. Dodge	166, 350	Aug. 3, 1875	149	46	8	221
Drip-pan, Barrel.....	J. A. Clark	163, 360	May 18, 1875	615	{ 196 197	7	851
Dripping stand for vessels.....	H. C. Collison	162, 998	May 11, 1875	262	85	7	829
Driving-bit.....	C. Henie and A. S. Jenks	164, 375	June 15, 1875	521	171	7	1021
Drop-light.....	J. C. Love	159, 941	Feb. 16, 1875	674	223	7	289
Drop-light.....	R. M. Shouls	170, 779	Dec. 7, 1875	114	36	8	965
Drop-light, Friction-slide.....	J. T. Bruen	164, 802	June 22, 1875	916	297	7	1081
Drop-press, Steam.....	W. H. H. Sisum	162, 200	Apr. 20, 1875	564	183	7	664
Dropper:							
See Corn-dropper. Potato-dropper.							
Harvester-dropper. Seed-dropper.							
Harvester sheaf-dropper.							
Drum and water-heater, Smoke.....	N. A. Moore	170, 884	Dec. 7, 1875	200	69	8	977
Drum-heater.....	C. Skinner	167, 129	Aug. 23, 1875	925	288	8	335
Drum, Heating.....	T. B. Field	170, 247	Nov. 23, 1875	928	289	8	879
Drum, Heating.....	J. J. Hardenbrooke	171, 378	Dec. 21, 1875	706	{ 232 233	8	1060
Drum, Heating.....	J. N. Kneeland	158, 380	Jan. 5, 1875	25	9	7	12
Drum, Heating.....	J. S. Lewis	170, 482	Nov. 30, 1875	1156	364	8	919
Drum, Heating.....	F. Munson and L. E. Dick	167, 777	Sept. 14, 1875	369	117	8	465
Drum, Heating.....	F. Proudfoot	159, 966	Feb. 16, 1875	696	231	7	292
Drum, Heating.....	F. Bowman	164, 712	June 22, 1875	835	272	7	1071
Drum, Smoke.....	W. Bochner	159, 888	Feb. 16, 1875	628	208	7	283
Drum stove.....	E. W. Prior	162, 496	Apr. 27, 1875	869	278	7	710
Drum, Stove-pipe.....	B. F. Stockford	165, 517	July 13, 1875	383	114	8	69
Drum, Stove-pipe.....	P. H. Carman	159, 074	Jan. 26, 1875	715	236	7	144
Drum, Ventilating and warming.....	J. J. Bisele	168, 131	Sept. 28, 1875	727	229	8	532
Dry-goods stand, Revolving.....	L. K. Fuller	165, 088	June 29, 1875	1188	382	7	1124
Drying apparatus.....	W. J. Johnson	158, 590	Jan. 12, 1875	228	77	7	56
Drying apparatus.....	J. S. Rogers	169, 194	Oct. 26, 1875	851	278	8	708
Drying apparatus.....	S. T. Swasey	164, 990	Apr. 13, 1875	360	121	7	630
Drying apparatus.....	T. Webber	169, 500	Nov. 2, 1875	158	52, 53	8	757
Drying apparatus.....	A. Wilder	170, 924	Dec. 7, 1875	236	81	8	982
Drying apparatus.....	D. Bennell	169, 230	Oct. 26, 1875	885	288	8	713
Drying-kiln.....	B. F. Cawthorn and A. J. Conner	160, 004	Feb. 23, 1875	755	250	7	308
Drying kiln and furnace.....	J. B. Stratton	158, 540	Jan. 5, 1875	164	56	7	32
Drying-rack.....	H. J. Medberg, H. A. Mann, jr., and S. H. Drake	171, 523	Dec. 28, 1875	859	281	8	1088
Drying wheel, Steam.....							
Dulcimer and similar musical instruments.....	J. A. McKenzie	171, 031	Dec. 14, 1875	353	118	8	1005



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Inst-pan .....	F. D. Bliss .....	162, 524	Apr. 27, 1875	891	285	7	712
Dust-pan .....	E. Kramm .....	162, 839	Oct. 19, 1875	567	166	8	652
Duster, Feather .....	H. L. Harrison .....	165, 574	July 13, 1875	434	131	7	77
Duster, Furniture .....	O. Griswold .....	163, 311	May 18, 1875	571	183	7	845
Dwelling-elevator .....	G. R. Potter .....	171, 167	Dec. 14, 1875	487	161	8	1022
Dye in black silks, thread, &c., Testing .....	W. H. Seaman .....	169, 377	Nov. 2, 1875	75	.....	8	742
Dyeing and calico-printing .....	J. Harley .....	162, 991	Oct. 19, 1875	645	.....	8	672
Dyeing and printing .....	J. S. Scillon and R. Pinkney .....	167, 360	Aug. 31, 1875	1150	.....	8	394
Dyeing and printing textile fabrics .....	J. Harley .....	170, 626	Nov. 30, 1875	1293	.....	8	937
Dyeing apparatus .....	S. M. and C. T. Smith .....	169, 859	Nov. 9, 1875	542	169	8	812
Dyeing cloth, Frame for .....	E. Briery .....	166, 450	Aug. 10, 1875	275	82	8	245
Dyeing fabrics, Process of .....	A. Schulz .....	170, 307	Nov. 23, 1875	950	.....	8	886
Dyeing silk fabrics, Process of .....	J. B. C. H. Petitdidier .....	163, 521	May 18, 1875	768	.....	7	870
Dynamic wrench .....	S. Pl. male .....	164, 109	June 8, 1875	253	87	7	976
E.							
Ear-ring .....	A. S. Baker .....	161, 853	Apr. 13, 1875	240	80	7	615
Earth-battery .....	J. C. Bryan .....	160, 152	Feb. 23, 1875	879	290	7	325
Earth-boring apparatus .....	J. R. Davis and J. R. Mills .....	170, 437	Nov. 30, 1875	1114	351	8	913
Earth-boring apparatus .....	O. Martin .....	164, 689	June 22, 1875	812	265	7	1068
Earth-boring apparatus .....	W. M. Ruth and W. Crain .....	169, 590	Nov. 2, 1875	252	82	8	768
Earth-closet .....	M. H. Syngé .....	192, 116	Apr. 13, 1875	472	156	7	644
Earth-closet .....	C. A. Wakefield .....	164, 348	June 8, 1875	485	100	7	1007
Earthenware and pottery, Manufacture of .....	W. Galloway .....	162, 911	May 4, 1875	159	52	7	768
Earthenware, Bailed .....	B. F. Roberts .....	170, 192	Nov. 23, 1875	878	275	8	872
Earthenware-pipes, Machine for forming sockets on .....	H. B. Camp .....	165, 710	July 20, 1875	571	175	8	111
Earthenware-pipes, Machine for making curved .....	H. B. Camp .....	161, 202	Mar. 23, 1875	886	291	7	496
Easel, carriage-painters' .....	A. Hogue .....	160, 324	Mar. 2, 1875	62	22	7	357
Easel, carriage-painters' .....	A. G. Rykert .....	160, 959	Mar. 16, 1875	661	216	7	457
Easel, Parlor .....	E. G. Chormann .....	167, 432	Sept. 7, 1875	48	14, 15	8	413
Eave-trough .....	C. A. Coddling .....	168, 231	Sept. 28, 1875	813	258	8	544
Eave-trough .....	O. W. Stearns .....	165, 934	Oct. 19, 1875	596	197	8	665
Eave-trough .....	R. Tyhurst .....	165, 388	July 6, 1875	232	70	8	40
Eave-trough hanger .....	J. P. Abbott .....	167, 422	Sept. 7, 1875	42	12	8	412
Eave-trough hanger .....	J. P. Abbott .....	171, 253	Dec. 21, 1875	596	195	8	1045
Eave-trough hanger .....	J. F. and L. Hess .....	163, 655	May 25, 1875	898	285	7	895
Eave-trough hanger .....	E. Kirk, jr .....	158, 419	Jan. 5, 1875	59	20	7	17
Eave-trough hanger .....	W. E. Manrow .....	168, 572	Oct. 11, 1875	257	84	8	608
Eave-trough hanger .....	H. K. and T. S. Stohler .....	166, 905	Aug. 17, 1875	698	216	8	315
Eave-trough hanger .....	W. H. and J. W. Trissler .....	167, 955	Sept. 21, 1875	531	170	8	498
Eave-trough-making machine .....	W. W. Laing .....	164, 567	June 15, 1875	691	224	7	1043
Egg and fruit box cover fastening .....	W. Weis .....	165, 044	June 29, 1875	1151	371	7	1119
Egg-batter, Apparatus for desiccating .....	W. O. Stoddard .....	167, 891	Sept. 14, 1875	389	124	8	469
Egg-batter, Preparation of .....	W. O. Stoddard .....	167, 587	Sept. 7, 1875	185	.....	8	432
Egg-beater .....	M. Cline .....	160, 815	Mar. 16, 1875	539	175	7	440
Egg-beater .....	J. Howes .....	165, 585	July 13, 1875	443	134	8	78
Egg-beater .....	M. Lozo .....	168, 510	Oct. 5, 1875	172	56	8	589
Egg-beater .....	W. Redheffer .....	166, 143	July 27, 1875	1005	310	8	183
Egg-beater .....	J. F. Rote .....	166, 412	Aug. 3, 1875	215	65	8	229
Egg-beater .....	F. E. Schomneyer .....	167, 696	Sept. 14, 1875	290	92	8	454
Egg-beater .....	W. H. Holdam .....	165, 233	July 6, 1875	83	25	8	20
Egg-box .....	O. Sutphen .....	166, 317	Aug. 3, 1875	121	38	8	216
Egg-carrier .....	E. Barnett and W. H. Garrett .....	158, 824	Jan. 19, 1875	456	152	7	103
Egg-carrier .....	A. H. Bryant .....	158, 828	Jan. 19, 1875	461	154	7	104
Egg-carrier .....	J. L. Stevens .....	163, 274	May 11, 1875	516	167	8	821
Egg-carrier .....	W. Weis .....	168, 692	Oct. 11, 1875	362	119	8	624
Egg-holder .....	A. W. Porter .....	159, 213	Jan. 26, 1875	842	275	7	162
Egg-preserving apparatus .....	F. D. Stone and W. Murray .....	167, 135	Aug. 24, 1875	931	290	8	356
Egg-preserving compound .....	E. A. Snyder .....	169, 595	Nov. 2, 1875	257	.....	8	769
Egg-tester .....	W. Henckler and H. A. Troegeler .....	165, 824	July 20, 1875	687	210	8	127
Egg-tester .....	J. W. Van Armin .....	162, 870	May 4, 1875	122	40	7	763
Egg-tester .....	W. W. Wilson .....	166, 671	Aug. 10, 1875	462	142	8	272
Egg-turning device .....	R. Tyler .....	168, 942	Oct. 19, 1875	601	199	8	666
Eggs, Composition for preserving .....	J. R. Boone .....	167, 637	Sept. 14, 1875	242	.....	8	447
Eggs, Machinery for desiccating .....	W. O. Stoddard .....	169, 341	Oct. 26, 1875	961	312	8	723
Eggs, Preserving .....	F. H. L. C. Sacc .....	170, 494	Nov. 30, 1875	1165	.....	8	821
Eggs, Substitute for .....	J. A. Griffen .....	170, 670	Dec. 7, 1875	16	.....	8	953
Ejecting water, Apparatus for .....	I. Dreyfus .....	166, 080	July 27, 1875	940	290	8	174
Ejector .....	L. B. Fulton and J. Proeger .....	159, 256	Feb. 2, 1875	12	4	7	186
Ejector attachment for vacuum-brakes .....	G. Westinghouse, jr .....	168, 119	Sept. 28, 1875	713	225	8	530
Ejector, Fluid .....	A. A. Atkins .....	159, 739	Feb. 16, 1875	486	163	7	265
Elastic fabric .....	M. H. Leonard and J. H. Buckley .....	170, 572	Nov. 30, 1875	1237	390	8	930
Elastic fabric .....	A. Turner .....	170, 606	Nov. 30, 1875	1275	402	8	935
Electric-alarm circuit .....	G. C. Maynard .....	165, 602	July 13, 1875	458	139	8	80
Electric light .....	S. A. Kosloff .....	166, 877	Aug. 17, 1875	673	209	8	311
Electric motor .....	C. J. B. Gaume .....	163, 924	June 1, 1875	72	24	7	940
Electric motor .....	D. Williamson .....	160, 495	Mar. 2, 1875	216	74, 75	7	3-0
Electric-signal apparatus, Steam-vessel .....	C. A. Stearns .....	165, 183	July 6, 1875	39	11, 12	8	14
Electric-signal circuit .....	T. S. Hall and G. H. Snow .....	165, 570	July 13, 1875	431	130	8	76
Electric track-circuit, Connector for .....	W. Robinson .....	166, 225	Aug. 3, 1875	37	12	8	204
Electrical-induction apparatus .....	R. K. Doyle .....	169, 514	Nov. 2, 1875	173	57	8	758
Electrical machine, Fictional .....	G. M. Mowbray .....	162, 676	Apr. 27, 1875	1 24	328	7	729
Electro-magnet .....	M. A. Rice .....	160, 120	Feb. 23, 1875	852	281	7	321
Electro-magnet for relays, &c., Adjustable .....	T. A. Edison .....	160, 405	Mar. 2, 1875	131	46	7	307
Electro-magnetic engine .....	J. Bishop .....	171, 087	Dec. 14, 1875	406	135	8	1012
Electro-magnetic engine .....	T. Chantaux .....	165, 004	June 29, 1875	1168	376	7	1132
Electro-magnetic engine .....	C. A. Hussey .....	166, 527	Aug. 10, 1875	335	102	8	251
Electro-magnetic engine .....	A. Tittman .....	166, 431	Aug. 3, 1875	234	72	8	232
Electro-therapeutic appliances .....	E. J. French .....	167, 162	Aug. 31, 1875	982	305	8	370
Electro-therapeutic bath .....	J. Becker and W. D. Hoffman .....	158, 890	Jan. 19, 1875	517	173	7	111
Electro-therapeutic bath .....	J. W. Moliere .....	162, 091	Apr. 13, 1875	444	148	7	641
Electrode, Caution .....	J. Kidder .....	164, 183	June 8, 1875	326	111	7	986

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Electroplated figure, &c	W. E. Worthen and R. S. Gillespie.	168, 442	Oct. 5, 1875	107	36	8	580
Electroplating glass, china, &c	E. Hansen.	166, 606	Aug. 10, 1875	404	.....	8	265
Electroplating-rack	H. E. Osborn	158, 972	Jan. 19, 1875	597	198	7	121
Electroplating solution	H. G. Coyle	162, 627	Apr. 27, 1875	975	.....	7	723
Electroplating statuettes, &c	W. E. Worthen and R. S. Gillespie.	171, 464	Dec. 21, 1875	782	{ 258 259 }	8	1070
Electroplating with nickel.	H. P. Deebert	162, 630	Apr. 27, 1875	977	.....	7	724
Electroplating with nickel, Anodes for	A. Hermann and W. H. Taylor	166, 367	Aug. 3, 1875	164	50	8	223
Electrotype seamless mold	M. Joyce	161, 238	Mar. 23, 1875	925	.....	7	500
Electrotype-shells, Backing	J. S. Brooks	163, 449	May 18, 1875	690	220	7	861
Elevator:							
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Dwelling-elevator.	Saccharine-liquid elevator.						
Fire-escape elevator.	Scuttle-elevator.						
Grain-elevator.	Skirt-elevator.						
Hay-elevator.	Stump-elevator.						
Hay and grain eleva- tor.	Vehicle-elevator.						
Hod-elevator.	Water-elevator.						
Elevator	B. T. Babbitt	170, 327	Nov. 23, 1875	1000	313	8	889
Elevator	D. S. Bailey	164, 359	June 15, 1875	507	167	7	1019
Elevator	J. H. Bancroft	164, 069	June 8, 1875	225	79	7	923
Elevator	H. H. Blake	163, 354	May 18, 1875	611	195	7	870
Elevator	H. W. Brinckerhoff	165, 472	July 13, 1875	544	101	8	62
Elevator	W. H. Brown	166, 496	Aug. 10, 1875	311	94	8	270
Elevator	C. H. Guiles	160, 183	Feb. 23, 1875	903	298	7	39
Elevator	J. W. Meikle	161, 892	Apr. 13, 1875	277	93	7	60
Elevator	H. Pearce	160, 615	Mar. 9, 1875	333	112	7	405
Elevator	H. J. Reedy	160, 469	Mar. 2, 1875	190	65, 66	7	376
Elevator	J. B. Sweetland	160, 850	Mar. 16, 1875	565	{ 183 184 }	7	444
Elevator	L. L. Whitlock	158, 613	Jan. 12, 1875	246	83	7	59
Elevator-brake, Automatic	H. Pearce	167, 560	Sept. 7, 1875	158	50	8	428
Elevator-brake, Automatic	S. R. Smith and E. Myers	164, 603	June 15, 1875	721	{ 234 235 }	7	1047
Elevator-bucket	J. R. Cline	165, 543	July 13, 1875	408	192	8	72
Elevator-cage, Dumping	J. McCullough	160, 112	Feb. 23, 1875	845	278	7	330
Elevator-gearing, Internal	E. Schlenker	166, 732	Aug. 17, 1875	530	162	8	291
Elevator safety-catch	F. B. Perkins	162, 252	Apr. 30, 1875	614	200	7	650
Ellipsograph	M. Toulmin	163, 325	July 6, 1875	230	69	8	40
Embankments, Mattress for forming	J. B. Edms and J. Andrews	170, 832	Dec. 7, 1875	158	52, 53	8	971
Embossing-machine	S. Rogerson	169, 295	Oct. 26, 1875	947	307	8	731
Embossing or printing stamp	J. A. Smart	162, 291	Apr. 20, 1875	566	186	7	604
Embossing wood, Machine for	U. A. Lantaigne	158, 952	Jan. 19, 1875	578	191	7	118
Embossing wood, Process of	W. Sochet-sky	161, 290	Mar. 23, 1875	978	.....	7	70
Embroidering machine	F. Michalet and P. Bourget	164, 751	June 22, 1875	868	283	7	1075
Embroidering-machine	R. M. Reese	170, 596	Nov. 30, 1875	1266	398	8	933
Embroidery-patterns, Apparatus for stamping	J. McGavin	160, 113	Feb. 23, 1875	876	278	7	321
Emery grinding-machine	E. W. Gunn and G. D. and H. Wells.	161, 951	Apr. 13, 1875	329	111	7	626
Emery to metal surfaces, Applying	S. G. Morrison	163, 880	June 1, 1875	38	12	7	935
Emery-wheel	S. G. Morrison	163, 025	May 11, 1875	290	94	7	792
Emery-wheel-turning tool	J. D. Huntington	168, 643	Oct. 11, 1875	326	106	8	618
Emery-wheels, Rest for truing off	E. Thomas	161, 717	Apr. 6, 1875	107	38	7	584
End-gate	E. G. Martin	169, 461	Nov. 2, 1875	127	40	8	752
End-gate fastening	J. W. Collins	159, 563	Feb. 9, 1875	316	103	7	235
Engine:							
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Air hand-engine.	Portable engine.						
Air-vacuum engine.	Propeller-engine.						
Carding engine.	Pumping engine.						
Compound engine.	Reciprocating-cylinder						
Compound steam-engine.	revolving engine.						
Condensing-engine.	Reciprocating steam-en- gine.						
Dental engine.	gine.						
Direct-acting engine.	Road-engine.						
Electro-magnetic engine.	Rock-drilling engine.						
Fire-engine.	Rotary engine.						
Gas engine.	Rotary steam-engine						
Hoisting-engine.	Stationary engine.						
Hydraulic engine.	Steam-engine.						
Motive-power engine.	Traction engine.						
Oscillating engine.							
Engine dash-pot	F. Steele	167, 950	Sept. 21, 1875	527	199	8	498
Engraving-machng	R. W. Johnson	167, 542	Sept. 7, 1875	143	44	8	426
Engraving-machine	W. S. Wight	159, 488	Feb. 2, 1875	243	76	7	217
Envelope	A. N. Lewis	164, 847	June 22, 1875	937	310	7	1087
Envelope	E. J. Nolin	171, 306	Dec. 21, 1875	644	211	8	1051
Envelope and letter-sheet combined	A. Petersohn	160, 708	Mar. 9, 1875	417	138	7	417
Envelope-cutting machine	J. F. Ellis	161, 604	Apr. 6, 1875	14	6	7	570
Envelope, Document	J. Pritchard	165, 865	July 20, 1875	726	221	8	132
Envelope-machine	W. Liddell	161, 133	Mar. 23, 1875	830	211	7	488
Envelope-opener	J. La Blanc and X. St. Pierre	161, 128	Mar. 23, 1875	825	270	7	487
Envelope-opener	J. La Blanc and X. St. Pierre	170, 276	Nov. 23, 1875	953	298	8	883
Equalizer, Horse-power	A. A. Sheets	153, 221	June 8, 1875	357	121	7	990
Equalizer, Spring	T. L. Gust	15, 572	Feb. 9, 1875	323	106	7	276
Equalizer, Spring	J. W. Marks	15, 956	Jan. 19, 1875	583	191	7	119
Equalizer, Spring	W. Smith	170, 691	Dec. 7, 1875	35	10	8	955
Equalizer, Spring-power	J. W. H. Doubler	168, 729	Oct. 11, 1875	39	131	8	629
Equalizer, Vehicle-spring	A. S. Hopson	162, 655	Apr. 27, 1875	1601	321	7	727

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Equalizer, Vehicle-spring.....	N. Jackson.....	160, 678	Mar. 9, 1875	386	{ 130 131	7	413
Eraser-holder.....	W. H. Bennett.....	165, 531	July 13, 1875	396	119	8	71
Eraser, India-rubber.....	R. Lockwood.....	167, 455	Sept. 7, 1875	67	20	8	416
Escrtoire.....	A. Batchelder.....	162, 601	Apr. 27, 1875	955	307	7	721
Ethylene, Package for.....	J. P. Moore.....	168, 340	Oct. 5, 1875	20	8	8	567
Evaporating apparatus.....	F. Random.....	161, 353	Mar. 30, 1875	1051	{ 242 343	7	525
Evaporating-pan.....	C. Brownell.....	163, 450	May 18, 1875	691	221	7	861
Evaporating-pan.....	J. F. Ferguson.....	159, 661	Feb. 9, 1875	396	132	7	247
Evaporating-pan.....	P. E. Fox.....	165, 223	July 6, 1875	76	22	8	19
Evaporating-pan.....	A. W. J. Mason.....	170, 484	Nov. 30, 1875	1158	365	8	919
Evaporator.....	J. M. Trumbo.....	166, 656	Aug. 10, 1875	446	138	8	270
See Centrifugal evaporator. Saccharine-liquid evaporator.							
Evaporator.....	G. F. J. Colburn.....	170, 990	Dec. 14, 1875	322	166	8	1000
Excavating apparatus.....	C. G. Force, Jr.....	161, 643	June 22, 1875	770	253	7	1062
Excavations, Extensible brace for.....	W. T. Dunn and J. P. Silliman.....	168, 085	Sept. 28, 1875	679	215	8	526
Excavator.....	T. Z. Cole.....	166, 852	Aug. 17, 1875	647	201	8	308
Excavator.....	J. W. Gouce.....	164, 829	June 22, 1875	941	394	7	1084
Excavator.....	A. Goodyear.....	161, 221	Mar. 23, 1875	909	{ 297 298	7	499
Excavator.....	M. E. Lasher.....	161, 524	Mar. 30, 1875	1219	392	7	546
Excavator.....	M. Phillips.....	161, 270	Mar. 23, 1875	960	313	7	505
Excavator.....	J. S. and W. C. Whitescarver.....	163, 124	May 11, 1875	375	192	7	804
Excavator, Locomotive earth.....	A. Hawley.....	171, 564	Dec. 28, 1875	898	293	8	1094
Excelsior-making machine.....	J. G. Moore.....	158, 647	Jan. 12, 1875	278	93	7	63
Excelsior-making machine.....	L. H. Whitney.....	169, 607	Nov. 2, 1875	268	87	8	770
Exercising apparatus.....	W. A. Knight.....	163, 081	May 11, 1875	338	110	7	799
Exercising apparatus.....	J. B. Newbrough.....	169, 467	Nov. 2, 1875	132	42	8	753
Exercising apparatus.....	G. W. Wood.....	163, 957	June 1, 1875	98	33	7	941
Exercising-machine.....	A. M. Allen.....	160, 863	Mar. 16, 1875	576	187	7	445
Exercising-machine.....	J. Tiebout.....	167, 137	Aug. 24, 1875	933	291	8	356
Exercising-machine or health-lift.....	J. P. Marsh.....	164, 574	June 15, 1875	696	226	7	1044
Exhaust for locomotive and other engines, Variable.....	E. A. Hill.....	158, 710	Jan. 12, 1875	333	113	7	71
Exhaust-mechanism.....	G. Bonker.....	165, 437	July 13, 1875	307	81	8	57
Exhaust-mechanism.....	C. D. Smith.....	167, 131	Aug. 24, 1875	926	289	8	356
Exhaust-mechanism, Locomotive.....	W. Stamp.....	165, 130	June 29, 1875	1225	394	7	1130
Exhaust-nozzle.....	T. Shaw.....	166, 562	Aug. 10, 1875	365	112	8	259
Exhaust-nozzle.....	H. White and M. Levy.....	166, 910	Aug. 17, 1875	701	218	8	315
Exhaust-pipe, Locomotive.....	J. C. Farmer.....	167, 883	Sept. 21, 1875	478	151	8	489
Exhaust, Variable.....	W. P. Leseur and C. Michel.....	163, 934	June 1, 1875	80	27	7	942
Expanding-bit for horses.....	J. Smith, Jr.....	167, 130	Aug. 24, 1875	926	288	8	355
Expansive bit.....	F. Willig.....	164, 953	June 29, 1875	1076	346	7	1109
Expansive tool for cutting holes.....	C. Crammer.....	170, 527	Nov. 30, 1875	1196	377	8	925
Expansion-drill.....	M. C. Bullock.....	165, 787	July 20, 1875	643	{ 197 198	8	121
Explosive-cap protector.....	F. A. Canfield.....	168, 225	Sept. 28, 1875	807	256	8	543
Explosive compound.....	P. Castellanos.....	164, 263	June 8, 1875	401	.....	7	996
Explosive compound.....	P. Castellanos.....	164, 264	June 8, 1875	402	.....	7	996
Explosive compound.....	H. J. Detwiller.....	170, 066	Nov. 16, 1875	736	.....	8	846
Extension-table.....	G. Ahrens.....	160, 562	Mar. 9, 1875	289	98	7	399
Extension-table.....	J. W. Bent.....	166, 679	Aug. 17, 1875	489	119	8	255
Extension-table.....	A. S. Bowen.....	160, 149	Feb. 23, 1875	876	289	7	325
Extension-table.....	A. Dubroy and J. P. Wagner.....	164, 079	June 8, 1875	235	81	7	974
Extension-table.....	F. Goldbach.....	167, 331	Aug. 31, 1875	1124	351	8	390
Extension-table.....	E. Hantsche and A. Wagner.....	168, 154	Sept. 28, 1875	749	237	8	535
Extension-table.....	G. Heyl.....	170, 369	Nov. 23, 1875	1039	323	8	694
Extension-table.....	A. D. and S. L. Jones.....	163, 997	Nov. 16, 1875	671	210	8	837
Extension-table.....	J. F. Martin.....	165, 107	June 29, 1875	1207	388	7	1127
Extension-table.....	W. Maus.....	164, 383	June 15, 1875	529	174	7	1022
Extension-table.....	N. Petry.....	162, 855	May 4, 1875	109	35	7	761
Extension-table.....	N. Petry.....	164, 207	June 8, 1875	346	118	7	989
Extension-table.....	J. Poolman.....	164, 479	June 15, 1875	618	200	7	1032
Extension-table.....	T. White.....	164, 064	June 1, 1875	197	71	7	957
Extension-table, Folding.....	J. F. Birchard.....	160, 506	Mar. 9, 1875	239	82	7	391
Extension-table, Folding.....	A. W. Fay.....	161, 497	Mar. 30, 1875	1197	384	7	543
Extension-table slide.....	W. J. Boda.....	162, 890	May 4, 1875	139	45	7	765
Extension-table slide.....	J. O. Frost.....	162, 049	Apr. 13, 1875	409	137	7	637
Extension-table slide.....	W. S. Holland and J. W. Parker.....	166, 204	Aug. 3, 1875	20	7	8	292
Extension-table slide.....	G. B. Lyman.....	163, 792	May 25, 1875	1011	321	7	910
Extension-table slide.....	G. H. Maxwell and J. B. Peaster.....	167, 404	Sept. 7, 1875	23	7	8	410
Extension-table slide.....	D. C. Sivey.....	160, 063	Feb. 23, 1875	807	265	7	315
Extension-table slide.....	J. C. Turner.....	162, 975	May 4, 1875	225	72	7	776
Extension-table slide.....	A. Weaver.....	165, 459	July 13, 1875	330	97	8	61
Extension-table slide.....	L. N. Willard.....	165, 462	July 13, 1875	500	153	8	86
Extractor.....							
See Centrifugal honey-extractor. Spike and nail extractor. Stump-extractor. Tack-extractor.							
Nail-extractor.....							
Eye-glass-frame.....	M. C. Brackett.....	161, 658	Apr. 6, 1875	60	22	7	577
Eye-glass, Watchmaker's.....	M. W. Wiard.....	165, 904	July 20, 1875	761	232	8	137
Eye-glasses.....	J. T. L. Anderson.....	168, 122	Sept. 28, 1875	719	226	8	530
Eye-glasses.....	J. J. Bausch.....	165, 199	July 6, 1875	57	16	8	16
Eye-glasses.....	S. D. Burbank.....	162, 025	Apr. 13, 1875	386	130	7	634
Eye-glasses.....	S. D. Burbank.....	162, 026	Apr. 13, 1875	386	130	7	634
Eye-glasses.....	I. Kahn.....	165, 589	July 13, 1875	446	135	8	78
Eye-glasses.....	C. C. Parker.....	166, 220	Aug. 3, 1875	33	11	8	204
Eye-glasses.....	W. H. Peckham.....	165, 251	July 6, 1875	100	30	8	22
Eye-glasses.....	E. Want.....	160, 868	Nov. 9, 1875	581	172	8	813
Eyeletting-machine.....	J. J. Allred.....	169, 398	Nov. 2, 1875	74	22	8	744
Eyeletting-machine.....	J. Coombe.....	159, 904	Feb. 16, 1875	642	212	7	285

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F.							
Fabric:							
<i>See</i> Carpet-fabric.	Imitation fabric.						
Compound fabric.	Knit fabric.						
Coverlet-fabric.	Napped fabric.						
Elastic fabric.	Quilted fabric.						
Felt-fabric.	Rubber-coated fabric.						
Plated fabric.							
Fabric-coating machine	L. L. Allen	162,332	Apr. 20, 1875	684	223	7	678
Fabric-tentering and straightening machine	I. E. Palmer	161,896	Apr. 13, 1875	221	95	7	630
Fabric-tentering machine	W. H. Palmer, jr.	164,026	June 1, 1875	157	56	7	952
Fabrics, Mechanism for drying sized.	W. H. Palmer, jr.	163,801	May 25, 1875	1021	323	7	912
Fan	E. Schmidt	159,224	Jan. 26, 1875	851	278	7	163
Fan, Automatic	A. F. Cloudman	170,989	Dec. 14, 1875	321	106	8	1000
Fan, Automatic	J. Gilliford and J. M. Hoffman	161,776	Apr. 6, 1875	159	55	7	592
Fan, Automatic	W. W. Hunting	162,558	Apr. 27, 1875	920	295	7	716
Fan, Automatic	B. Lingane	170,863	Dec. 7, 1875	184	62	8	975
Fan, Automatic	L. D. Stamps	162,320	Apr. 20, 1875	673	220	7	677
Fan, Automatic fly	A. B. Palmer and A. E. Elmer	162,944	May 4, 1875	192	63	7	772
Fan, Electro-magnetic	G. F. Green	171,122	Dec. 14, 1875	446	146	8	1017
Fan, Helical-cone suction	J. White	163,710	May 25, 1875	942	299	7	901
Fan-leaf-cutting machine	P. Hufeland	164,838	June 22, 1875	948	307 308	7	1086
Fan, Paper	C. C. E. Schwartz	163,266	May 11, 1875	509	165	7	821
Fan-stick-cutting machine	J. W. White	166,571	Aug. 10, 1875	372	104	8	260
Fan, Table	C. Good	161,777	Apr. 6, 1875	160	55	7	592
Fans, Apparatus for mounting	G. Brueck	163,731	May 25, 1875	962	304	7	933
Fans, Manufacture of	P. Hufeland	164,839	June 22, 1875	950	308	7	1086
Fanning apparatus, Room	P. J. Pender	163,628	May 25, 1875	878	276	7	892
Fanning-mill	A. Y. Felton	159,569	Feb. 9, 1875	320	105	7	236
Fare-box	A. J. Certis	168,619	Oct. 11, 1875	300	97, 98	8	614
Fare-box	W. J. Cowing	168,722	Oct. 11, 1875	390	122	8	628
Fare-box	S. W. Francis	166,598	Aug. 10, 1875	397	128	8	262
Fare-box	G. J. Hill	165,579	July 13, 1875	437	132	8	77
Fare-box	A. E. Hovey	164,685	June 22, 1875	806	264	7	1067
Fare-box	C. G. Inlay	160,676	Mar. 9, 1875	384	130	7	413
Fare-box	T. Keech	158,846	Jan. 19, 1875	476	160	7	106
Fare-box	W. C. McGill	166,794	Aug. 17, 1875	592	182	8	300
Fare-box	R. M. Robinson	158,981	Jan. 19, 1875	605	201	7	122
Fare-box	R. M. Robinson	158,982	Jan. 19, 1875	608	201	7	122
Fare-box	R. M. Robinson	162,420	Apr. 20, 1875	775	252	7	689
Fare-box, Recording and signal	E. H. Schnell	170,022	Nov. 16, 1875	693	218	8	840
Fare-register	D. Eldridge	166,861	Aug. 17, 1875	657	204	8	369
Fare-register	W. H. Hornum	165,829	July 20, 1875	691	211	8	127
Fare-register	W. H. Hornum	165,832	July 20, 1875	694	212	8	128
Fare-register	W. H. Hornum	171,133	Dec. 14, 1875	456	149	8	1018
Fare-register	A. F. Johnson	167,670	Sept. 14, 1875	263	84	8	451
Fare-register	W. Miller	167,682	Sept. 14, 1875	278	88	8	452
Fare-register	J. A. Rummig and C. J. Uderitz	164,695	May 25, 1875	928	295	7	899
Fare-register	J. Sanzster	167,623	Sept. 14, 1875	228	71	8	445
Fare-register	W. S. Watson and A. Knowlton	170,318	Nov. 24, 1875	988	310	8	888
Fare-register, Alarm	T. D. Doolittle	163,164	May 11, 1875	416	135	7	809
Fare-registering device	J. A. Brown	158,568	Jan. 12, 1875	206	70	7	53
Farm-box	M. M. Murray	160,942	Mar. 16, 1875	645	210	7	454
Farm-gate	A. Callaban	165,709	July 20, 1875	570	175	8	111
Farm-gate	L. S. Cohn	161,756	Apr. 6, 1875	143	50	7	589
Farm-gate	S. S. Davis	159,648	Feb. 9, 1875	379	126	7	245
Farm-gate	J. Golden	164,292	June 8, 1875	429	113	7	999
Farm-gate	M. Gushenan	162,059	Apr. 13, 1875	419	140	7	638
Farm-gate	W. J. Hollis	171,478	Dec. 28, 1875	816	268	8	1082
Farm-gate	S. R. Holt	161,337	Mar. 30, 1875	1037	337	7	523
Farm-gate	R. Miller and J. D. Hillson	165,748	July 20, 1875	604	186	8	116
Farm-gate	H. S. Moyers	170,489	Nov. 30, 1875	1162	366	8	920
Farm-gate	L. W. Noyes	161,817	Apr. 6, 1875	197	66	7	597
Farm-gate	W. H. Pratt	163,693	May 25, 1875	926	295	7	899
Farm-gate	G. O. Ross	162,421	Apr. 20, 1875	776	252	7	689
Farm-gate	T. Snider	164,605	June 15, 1875	722	235	7	1048
Farm-gate	W. Wagonner	165,191	July 6, 1875	51	14	8	16
Farm-gate	J. N. Wilson	162,448	Apr. 20, 1875	801	261	7	692
Farm-gate	M. Baites	167,632	Sept. 14, 1875	233	74	8	446
Fats, Process of separating	C. M. Cresson	164,907	June 29, 1875	1034	333	7	1104
Fats, Purifying and preserving animal	J. P. Kinney	169,008	Oct. 19, 1875	661	211	8	674
Fats, &c., Separating the various constituents of	T. M. Fell	167,607	Sept. 14, 1875	215	67	8	443
Fatty matter from tanners' scrap, &c., Extracting	W. Adamson	163,130	May 11, 1875	382	127	7	805
Faucet	E. W. Barnes	166,581	Aug. 10, 1875	379	117	8	251
Faucet	J. G. L. Boettcher	162,608	Apr. 27, 1875	961	309	7	721
Faucet	W. L. Brownell	170,704	Dec. 7, 1875	47	14	8	957
Faucet	W. C. Bussey	158,829	Jan. 19, 1875	462	155	7	104
Faucet	L. Chaize	164,865	June 22, 1875	918	298	7	1082
Faucet	S. A. Duman	163,367	May 18, 1875	622	199	7	852
Faucet	E. M. Fassoldt	166,197	Aug. 3, 1875	13	5	8	201
Faucet	A. Fuller	167,092	Aug. 24, 1875	894	278	8	351
Faucet	H. Gnosill	164,545	June 15, 1875	671	217	7	1040
Faucet	D. W. Goodell	169,988	Nov. 16, 1875	661	208	8	836
Faucet	R. L. Hallett	164,448	June 15, 1875	592	192	7	1029
Faucet	J. M. Hopkins	168,997	Oct. 19, 1875	651	214	8	672
Faucet	H. B. Leach	158,593	Jan. 12, 1875	231	77	7	56
Faucet	F. Lobree	166,241	Aug. 3, 1875	25	9	8	202
Faucet	P. Messner	160,375	Mar. 2, 1875	18	7	7	351
Faucet	T. Newman and W. H. Kead	165,944	July 27, 1875	814	250	8	156
Faucet	W. C. North	169,284	Oct. 26, 1875	936	304	8	719
Faucet	A. Pfund	159,960	Feb. 16, 1875	691	204	7	292
Faucet	P. Schuffield	163,263	May 11, 1875	506	161	7	820
Faucet	J. D. Seagrave	160,351	Mar. 2, 1875	87	32	7	361

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Faucet	D. C. Stillson	166, 482	Aug. 10, 1875	300	90	7	249
Faucet	T. Tully	159, 981	Feb. 16, 1875	710	236	7	294
Faucet	E. Wilson	166, 833	Aug. 17, 1875	626	{ 194 195 }	8	306
Faucet, Air-pump	T. Bingham	162, 888	May 4, 1875	137	45	7	765
Faucet-attaching device	J. S. Morton	168, 171	Sept. 22, 1875	764	242	8	537
Faucet attachment for barrels.	A. Zoller	163, 717	May 25, 1875	948	301	7	902
Faucet, Basin	W. C. Bussey	166, 339	Aug. 3, 1875	140	43	8	219
Faucet, Basin	J. Downing	167, 880	Sept. 21, 1875	475	150	8	489
Faucet, Basin	J. Farrell	163, 005	May 11, 1875	267	87	7	790
Faucet, Basin	J. F. Sheridan	165, 621	July 13, 1875	481	146	8	83
Faucet, Beer	J. G. Adam	167, 049	Aug. 24, 1875	848	264	8	345
Faucet, Beer	A. L. Bobet	168, 132	Sept. 28, 1875	728	929	8	532
Faucet, Beer	W. B. Miller and W. Powell	161, 427	Mar. 30, 1875	1125	363	7	533
Faucet, Beer	M. J. Sullivan	160, 242	Feb. 23, 1875	956	314	7	336
Faucet, Bottling	A. C. Meyer	160, 936	Mar. 16, 1875	639	208	7	454
Faucet, Filtering	G. W. Wilson	159, 008	Jan. 19, 1875	632	209	7	125
Faucet for effervescent liquids.	C. Greiner	160, 589	Mar. 9, 1875	311	105	7	402
Faucet-holes in glass bottles, &c., Implement for mold- ing and perforating.	J. N. Fort	168, 149	Sep. 22, 1875	745	235	8	535
Faucet, Measuring	L. L. Deunick	160, 085	Feb. 23, 1875	824	271	7	317
Faucet, Oil-can	G. W. Banker	163, 293	May 18, 1875	552	177	7	843
Faucet, Self-closing	P. W. Doherty	161, 768	Apr. 6, 1875	153	53	7	591
Faucet, Self-closing	D. C. Stillson	166, 483	Aug. 10, 1875	301	90	8	249
Faucet, Self-closing	J. W. Trafton	159, 478	Feb. 2, 1875	225	73	7	215
Faucet, Vent.	R. Brenner	167, 821	Sept. 21, 1875	421	131	8	481
Faucet, Vent.	C. Dehlinger	169, 782	Nov. 9, 1875	465	147	8	803
Faucet, Vent.	C. H. Rauert	166, 551	Aug. 10, 1875	356	110	8	257
Faucet, Ventilating	W. C. North	161, 630	Apr. 6, 1875	36	14	7	574
Faucets, Adjusting plumbers'	J. H. Lawless	169, 645	Nov. 9, 1875	325	103	8	785
Feather duster	J. L. Little	169, 276	Oct. 26, 1875	929	301	8	718
Feather-renovator	A. W. Ballard and D. B. Wirt	171, 541	Dec. 28, 1875	878	287	8	1091
Feather-renovator	H. I. Sinn	168, 571	Oct. 11, 1875	256	81	8	608
Feather-renovator	H. P. Manley	162, 933	May 4, 1875	181	60	7	771
Feather-renovator	H. E. Rowe	163, 889	June 1, 1875	45	15	7	936
Feather-renovator	C. Russell and C. W. Seamans	159, 222	Jan. 28, 1875	849	278	7	163
Feather-renovator	U. B. Waddle	163, 283	May 11, 1875	526	{ 171 171 }	7	823
Feed-bag, Horse	H. Engelbert	160, 659	Mar. 9, 1875	372	125	7	411
Feed-bag, Horse	A. Nye, jr.	169, 726	Nov. 9, 1875	407	129	8	796
Feed-boiler	S. Olmstead	169, 469	Nov. 2, 1875	134	43	8	733
Feed box and rack, Combined	D. R. Ostrander	162, 943	May 4, 1875	192	63	7	772
Feed-cooker	J. S. Brubaker	170, 050	Nov. 16, 1875	718	228	8	844
Feed-cooker	B. Fisher and W. Wickkiser	167, 516	Sept. 7, 1875	121	37	8	423
Feed-cutter	J. B. and J. W. B. Nye	163, 396	May 18, 1875	646	207	7	855
Feed-cutter	J. A. Scverdt	161, 448	Mar. 30, 1875	1141	368	7	536
Feed-cutter	A. C. Stewart	165, 963	July 27, 1875	830	255	8	158
Feed-cutter	E. Wagoner	165, 138	June 29, 1875	1234	397	7	1130
Feed-cutter	T. Webb	165, 043	June 29, 1875	1149	371	7	1119
Feed-cutter	B. A. Wilton	169, 937	Nov. 16, 1875	624	193	8	831
Feed-cutter	R. J. Wylie	169, 221	Oct. 26, 1875	878	285	8	712
Feed-cutter changeable feed-gear	R. Seelig	164, 222	June 8, 1875	356	122	7	990
Feed-cutting machine	L. Evans	166, 196	Aug. 3, 1875	13	5	8	201
Feed-cutting machine	W. J. Jones	160, 330	Mar. 2, 1875	66	24	7	358
Feed-cutting-machine spike	G. W. Lee	162, 079	Apr. 13, 1875	435	145	7	640
Feed-mill	O. B. Knapp	163, 664	May 25, 1875	905	287	7	896
Feed-rack	A. V. Mitchell	159, 601	Feb. 9, 1875	341	114	7	240
Feed-rack	M. Ralph	166, 719	Aug. 17, 1875	528	161	8	290
Feed-regulator	F. M. Ford and J. F. Hicks	169, 982	Nov. 16, 1875	660	{ 206 207 }	8	836
Feed-regulator	J. M. Ross	161, 553	Mar. 30, 1875	1244	400	7	550
Feed regulator, Boiler	J. F. Stratton	166, 945	Aug. 24, 1875	749	232	8	331
Feed-water apparatus	B. W. Felthousen	171, 605	Dec. 28, 1875	933	306	8	1099
Feed-water apparatus, Steam-boiler	W. H. Jenkins	168, 398	Oct. 5, 1875	70	25	8	575
Feed-water heater	E. B. Bennett	161, 587	Apr. 6, 1875	2	1	7	569
Feed-water heater	J. R. Brown and W. A. Foskett	158, 398	Jan. 5, 1875	41	15	7	15
Feed-water heater	N. V. Kirby	170, 743	Dec. 7, 1875	81	26	8	961
Feed-water heater	H. S. Maxim	160, 215	Feb. 23, 1875	933	306	7	333
Feed-water heater	G. L. McCahan	168, 760	Oct. 11, 1875	425	139	8	633
Feed-water heater	A. Orme and W. H. Burck	163, 100	May 11, 1875	357	116	7	801
Feed-water heater	R. Wetherill	159, 728	Feb. 9, 1875	457	153	7	256
Feed-water heater and filter	E. P. Fenn	158, 411	Jan. 5, 1875	53	19	7	16
Feed-water heater and filter	G. F. Jasper	164, 176	June 8, 1875	320	109	7	985
Feed-water heater, Locomotive	W. Halstead	170, 729	Dec. 7, 1875	69	21	8	960
Feed-water heater, Steam-boiler	J. Armstrong	164, 959	June 29, 1875	1080	348	7	1109
Feed-water heater, Steam-boiler	W. J. Austin	169, 332	Nov. 2, 1875	6	2	8	735
Feed-water heater, Steam-boiler	S. W. France	164, 826	June 22, 1875	939	303	7	1024
Feed-water heater, Steam-boiler	H. N. Waters	160, 979	Mar. 16, 1875	677	222	7	459
Feed-water heater, Steam-generator	W. Andrus and S. J. Wallace	163, 074	Oct. 26, 1875	743	243	8	693
Feed-water-heating apparatus	D. P. Mosuan	162, 940	May 4, 1875	188	62	7	772
Feed-water regulator	C. M. Bridges	167, 639	Sept. 14, 1875	243	75	8	447
Feed-water regulator	I. Dreyfus	166, 081	July 27, 1875	941	291	8	174
Feed-water regulator	G. Henry	164, 559	June 15, 1875	684	232	7	1042
Feed-water regulator	G. Henry	165, 928	July 27, 1875	799	245	8	155
Feed-water regulator, Automatic	J. Wertbeim	165, 283	July 6, 1875	126	38	8	26
Feeding fowls, Apparatus for	A. De Garis	159, 649	Feb. 9, 1875	320	126	7	245
Feeding support, Portable horse.	A. H. Spencer	159, 617	Feb. 9, 1875	356	118	7	242
Felly and tire clip	R. Ray	167, 928	Sept. 21, 1875	518	165	8	496
Felly-joint clip	D. T. Bowerman	171, 547	Dec. 28, 1875	881	288	8	1091
Felly-joint plate	J. Ives	163, 495	May 18, 1875	740	235	7	867
Felly-plate	T. Beatty	165, 656	July 20, 1875	526	161	8	105
Felly-plate	J. Y. Sittou	163, 698	May 25, 1875	931	296	7	900
Felly-sawing machine	T. M. Kenney and E. L. Willard	170, 956	Dec. 14, 1875	286	96	8	996
Felt fabric	H. J. and W. D. Davies	167, 310	Aug. 31, 1875	1105	348	8	388
Felt, Manufacture of vegetable	P. Sweeney and A. Beach, jr.	159, 051	Jan. 26, 1875	695	222	7	141

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Felting-machine	N. B. Hooper and T. S. Crane	166, 699	Aug. 17, 1875	506	155	8	287
Fence	H. and B. F. Bean	156, 350	Aug. 3, 1875	132	41	8	213
Fence	H. B. Cluxton	170, 655	Nov. 16, 1875	723	230	8	815
Fence	W. A. Couch	170, 714	Dec. 7, 1875	56	17	8	958
Fence	J. Dwyer	170, 830	Dec. 7, 1875	157	52	8	971
Fence	T. Harding	170, 859	Dec. 7, 1875	173	59	8	974
Fence	J. D. and P. Hyberger	170, 229	Nov. 23, 1875	947	296	8	882
Fence barb. Wire	W. L. Brown and L. G. Tubbs	170, 318	Nov. 30, 1875	1188	375	8	924
Fence barb. Wire	L. M. Devere	168, 355	Oct. 19, 1875	546	179	8	658
Fence barb. Wire	J. F. Duffy and N. Schroeder	165, 220	July 6, 1875	73	31	8	19
Fence barb. Wire	H. N. Frestress	171, 608	Dec. 14, 1875	337	112	8	1062
Fence barb. Wire	J. Haish	167, 210	Aug. 31, 1875	1047	335	8	379
Fence, Barbed stock	F. T. Wilson	158, 44	Jan. 5, 1875	85	29	8	21
Fence, Barbed-wire	J. Dobbs and B. F. Booth	171, 104	Dec. 14, 1875	423	141	8	1014
Fence, Barbed-wire	C. Kennedy	164, 181	June 8, 1875	324	110	7	966
Fence, Barbed-wire	W. Watkins and H. B. Scutt	163, 955	June 1, 1875	97	33	7	941
Fence, Barbed-wire	A. V. Wormley	169, 393	Nov. 2, 1875	68	20	8	744
Fence, Farm	W. E. Cary	164, 848	June 1, 1875	12	4	7	932
Fence, Farm	W. A. Eliason	164, 279	June 8, 1875	417	139	8	998
Fence, Farm	D. L. Hoffman and P. M. Shoemate	163, 658	May 25, 1875	900	286	7	896
Fence, Farm	L. E. Hogue	158, 941	Jan. 19, 1875	567	188	7	117
Fence, Farm	I. L. Landis	159, 188	Jan. 26, 1875	818	269	7	158
Fence, Farm	A. Miller	167, 007	Aug. 24, 1875	214	252	8	340
Fence, Farm	J. P. Monnett	169, 023	Oct. 19, 1875	675	232	8	676
Fence, Farm	A. N. Moore	161, 261	Mar. 23, 1875	952	31	7	501
Fence, Farm	D. R. Ostrander	162, 850	May 4, 1875	104	34	7	761
Fence, Farm	T. W. Owens	162, 411	Apr. 20, 1875	768	249	7	688
Fence, Farm	A. Rusk and F. Yarbrough	166, 149	July 27, 1875	1011	311	8	184
Fence, Farm	D. Sattler	159, 459	Feb. 2, 1875	200	66	7	212
Fence, Farm	S. Stout	163, 116	May 11, 1875	370	120	7	803
Fence, Farm	L. M. Wheelock	164, 788	June 22, 1875	899	292	7	080
Fence, Farm	J. E. Winters	167, 966	Sept. 21, 1875	539	173	8	499
Fence, Flood	E. C. Huffaker	171, 567	Dec. 28, 1875	900	291	8	165
Fence, Iron	M. G. Freeman	163, 761	May 25, 1875	985	312	7	907
Fence, Iron	D. C. Guttridge	169, 989	Nov. 16, 1875	665	208	8	836
Fence, Iron	P. Hafla	164, 830	June 22, 1875	942	304	7	1085
Fence, Iron	F. O. Hanson	171, 377	Dec. 21, 1875	705	232	8	1059
Fence, Iron	T. J. W. Robertson	168, 785	Oct. 11, 1875	448	146	8	636
Fence, Iron	R. Rogers	170, 302	Nov. 23, 1875	977	305	8	886
Fence, Iron-clad	J. A. Bowyer	162, 612	Apr. 27, 1875	964	310	7	732
Fence-pickets, Machine for making	H. and P. C. Dufour and E. B. Rowe	161, 276	June 8, 1875	414	139	7	997
Fence, Portable	D. C. Baxter	164, 512	June 15, 1875	645	208	7	106
Fence, Portable	M. Burtless	165, 439	July 13, 1875	310	91	8	58
Fence, Portable	T. L. Davidson	166, 687	Aug. 17, 1875	496	151	8	266
Fence, Portable	J. W. Johnson	158, 589	Jan. 12, 1875	228	76	7	56
Fence, Portable	T. McQuary	159, 952	Feb. 16, 1875	684	226	7	291
Fence, Portable	S. Olmstead	164, 474	June 15, 1875	613	198	7	1032
Fence, Portable	I. W. Pancoast	171, 311	Dec. 21, 1875	647	212	8	1051
Fence, Portable	H. Prickett	160, 711	Mar. 9, 1875	418	139	7	417
Fence, Portable	H. Tell	171, 329	Dec. 21, 1875	661	217	8	1053
Fence, Portable	C. Van De Mark	164, 347	June 8, 1875	483	159	7	1006
Fence, Portable	J. L. Welshans	164, 590	June 15, 1875	635	205	7	1035
Fence-post	M. W. Colwell	162, 800	May 4, 1875	61	20	7	735
Fence-post	E. Geer	165, 557	July 13, 1875	418	126	8	74
Fence-post	G. W. Hatch	167, 529	Sept. 7, 1875	134	49	8	425
Fence-post	J. W. Latcher and T. J. Smith	168, 697	Sept. 28, 1875	693	218	8	527
Fence-post	A. Y. McDonald	167, 185	Aug. 31, 1875	1000	311	8	373
Fence-post	E. Powell	163, 692	May 25, 1875	926	297	7	899
Fence-post	I. L. Snerman	171, 181	Dec. 14, 1875	498	165	8	1024
Fence-post	J. E. Warren	163, 954	June 1, 1875	95	34	7	944
Fence-post support	H. McKenzie	169, 562	Nov. 2, 1875	222	73	8	765
Fence tightener, Wire	H. P. Barnes	167, 052	Aug. 24, 1875	850	265	8	315
Fence-wire	R. Ellwood	163, 163	May 11, 1875	421	137	7	869
Fence-wire	J. Haish	164, 552	June 15, 1875	679	220	7	1041
Fence-wire	J. A. Little	159, 691	Feb. 9, 1875	425	142	7	251
Fence-wire	J. M. McClellan	169, 365	Nov. 2, 1875	45	13	8	741
Fence-wire	L. and J. C. Merrill	164, 576	June 15, 1875	698	227	7	1044
Fence-wire	T. S. Seabury	170, 024	Nov. 16, 1875	694	219	8	841
Fence-wire	D. C. Stover	164, 947	June 29, 1875	1071	345	7	1108
Fence-wire, Barbed	F. Armstrong	171, 208	Dec. 21, 1875	554	181	8	1029
Fence-wire, Barbed	F. Armstrong and G. Doolittle	168, 550	Oct. 11, 1875	233	77	8	605
Fence-wire, Barbed	J. Dobbs and B. F. Booth	171, 108	Dec. 14, 1875	424	141	8	1014
Fence-wire, Barbed	M. M. Mack	162, 835	May 4, 1875	90	30	7	759
Fence-wire, Barbed	J. E. Page	170, 891	Dec. 7, 1875	207	72	8	978
Fence-wire, Implement for stretching	J. F. Duffy	164, 919	June 29, 1875	1047	334	7	1114
Fence-wire stretcher	W. L. Brown and J. B. Cramer	165, 536	July 13, 1875	401	120	8	701
Fence-wire stretcher	N. Burnham	169, 770	Nov. 9, 1875	455	144	8	812
Fences, Device for making tabs for wire	T. B. Doolittle and J. M. Ellis	165, 661	July 20, 1875	420	162	8	106
Fences, Nail for wire	H. S. Snythe	171, 181	Dec. 14, 1875	560	165	8	1024
Fences, Tool for putting barbs on wire	W. Dulin	170, 354	Nov. 23, 1875	1020	320	8	892
Fender:							
See Carriage-wheel fender.	Vehicle-fender.						
Fire-place fender.	Vessel-fender.						
Fender	D. W. Hoyt	168, 999	Oct. 19, 1875	652	215	8	673
Fender, &c., foot	F. S. Bissell	161, 470	Mar. 30, 1875	1163	374	7	539
Ferns, &c., Preserving	H. M. Lee	166, 995	Aug. 24, 1875	802		8	338
Fernule-condenser	T. H. Savery	161, 707	Apr. 6, 1875	98	35	7	523
Ferrule, Tool-handle	E. C. Denio	161, 598	Apr. 6, 1875	10	4	7	570
Fertilizer	O. Lago	165, 315	July 6, 1875	185		8	31
Fertilizer	C. H. North	165, 172	July 6, 1875	30		8	12
Fertilizer	S. Seitz	161, 847	Apr. 6, 1875	209		7	590

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Fertilizer crusher and distributor	W. M. Dye	164, 437	June 15, 1875	581	188	7	1028
Fertilizer-distributor	C. Bailey	164, 500	June 15, 1875	642	208	7	1036
Fertilizer-distributor	W. H. Cook	169, 523	Nov. 2, 1875	180	60	8	759
Fertilizer-distributor	W. F. Wheeler	163, 773	July 20, 1875	628	173	8	120
Fertilizer-distributor, planter, and cultivator	B. Scofield	167, 374	Aug. 31, 1875	1073	335	8	383
Fertilizer-drier	J. Bowman and A. Chapman	159, 147	Jan. 26, 1875	779	257	7	153
Fertilizers, Preparation of.	B. Ackerman	158, 772	Jan. 19, 1875	407	137	7	97
Fertilizing compound.	C. H. Hoffman	160, 191	Feb. 23, 1875	910	...	7	330
Field-roller	A. Hiltz	161, 512	Mar. 30, 1875	1209	388	7	545
Fifth-wheel	E. Barreclough and T. Pritchard	160, 253	Mar. 2, 1875	2	1	7	349
Fifth-wheel	J. Cunningham	169, 627	Nov. 9, 1875	302	97	8	783
Fifth-wheel	J. Hodge	164, 738	June 22, 1875	857	278	7	1074
Fifth-wheel	W. A. Parker	167, 927	Sept. 21, 1875	509	162	8	495
Fifth-wheel	O. B. Thompson	184, 611	June 15, 1875	757	237	7	1048
Fifth-wheel	C. B. Wood	164, 067	June 1, 1875	199	72	7	958
Fifth-wheel, Carriage	J. Clubb	164, 426	June 15, 1875	574	186	7	1027
Fifth-wheel, Carriage	R. W. McClelland	161, 348	Mar. 30, 1875	1047	341	7	524
Fifth-wheel, Vehicle	L. Blair	159, 492	Feb. 9, 1875	250	81	7	227
Fifth-wheel, Vehicle	P. B. Cunningham	166, 854	Aug. 17, 1875	648	202	8	308
Fifth-wheel, Vehicle	G. F. Putnam	159, 114	Jan. 26, 1875	754	248	7	150
File	C. F. Carr and S. S. Wilcox	167, 495	Sept. 7, 1875	98	31	8	420
File	J. Haptonstall	166, 868	Aug. 17, 1875	661	205	8	310
File, Bill	F. B. Alderson	160, 504	Mar. 9, 1875	235	81	7	391
File, Bill	D. H. Baker	162, 881	May 4, 1875	131	43	7	764
File, Bill	W. R. Clough	159, 796	Feb. 16, 1875	543	180	7	272
File, Bill	C. Davis, jr.	163, 750	May 25, 1875	977	309	7	906
File, Bill	R. H. Hoffman	160, 323	Mar. 2, 1875	61	22	7	357
File, Bill	T. Hutchinson	161, 415	Mar. 30, 1875	1115	360	7	532
File, Bill	W. Langborne	163, 216	May 11, 1875	461	149	7	815
File-blank-bending machine, Circular	L. Beyer and R. Heunisch	161, 710	June 22, 1875	833	271	7	1071
File-blank-forging device	T. L. Grover	162, 378	Apr. 20, 1875	736	239	7	684
File-blank holder for grinding	J. Garland	171, 277	Dec. 21, 1875	618	202	8	1048
File, Card	M. S. Prentice, J. Bebel, and W. A. Falkott.	158, 380	Jan. 5, 1875	33	12	7	13
File-cutting machine	S. and S. M. Hamblin	159, 756	Feb. 16, 1875	503	168	7	267
File-cutting machines, Feed mechanism for	J. Garland	167, 823	Sept. 21, 1875	432	137	8	463
File-holder	H. Baumgartel	167, 731	Sept. 14, 1875	352	102	8	459
File, Newspaper	F. B. Alderson	162, 876	May 4, 1875	126	42	7	763
File, Newspaper	F. B. Alderson	163, 401	July 13, 1875	273	81	8	53
File, Permanent letter.	J. F. Adams	169, 663	Nov. 9, 1875	344	109	8	788
File-stripping machine	J. Garland	170, 725	Dec. 7, 1875	65	26	8	959
File-tempering apparatus	W. T. Nicholson	164, 656	June 22, 1875	781	256	7	1064
File, &c., testing machine	J. Garland	170, 166	Nov. 23, 1875	856	298	8	869
File-wrapper	W. Grimsted and J. A. Darling	161, 506	Mar. 30, 1875	1205	387	7	544
Files in tempering baths, Clamp for holding.	R. Parker and J. B. Colman	164, 204	June 8, 1875	344	117	7	988
Filing postal cards, Device for.	P. M. Hitchcock	169, 441	Nov. 2, 1875	110	35	8	750
Filter	C. Anderson	161, 194	Mar. 23, 1875	879	289	7	494
Filter	J. and A. Outerson	158, 514	Jan. 5, 1875	145	48	7	69
Filter	H. F. Scherr	163, 512	July 13, 1875	378	112	8	58
Filter	T. R. Sinclair	171, 635	Dec. 23, 1875	979	317	8	1105
Filter and funnel, Druggist's	A. E. Garrison	170, 167	Nov. 23, 1875	857	288	8	859
Filter and purifier, Water	A. Le Tellier	169, 362	Nov. 2, 1875	4	12, 13	8	740
Filter and sprinkler, Combined	J. Batchelor and A. J. Warren	168, 825	Oct. 19, 1875	495	161	8	651
Filter and water-separator, Cistern	W. B. Wilson	169, 140	Oct. 26, 1875	800	259	8	700
Filter, Coffee	E. R. Shattuck	158, 532	Jan. 5, 1875	159	54	7	31
Filter for liquids holding solid impurities	E. S. Hutchinson	170, 952	Dec. 14, 1875	284	95	8	996
Filter-rack	M. Leiner	162, 594	Apr. 20, 1875	651	212	7	675
Filter, Reversible	E. C. Houghton	171, 020	Dec. 14, 1875	345	115	8	1004
Filter, Submerged	J. W. Lefferts	167, 546	Sept. 7, 1875	147	45	8	427
Filter, Water	P. Ball	164, 510	June 15, 1875	642	208	7	1036
Filter, Water	I. Brach	164, 257	June 8, 1875	395	134	7	955
Filter, Water	C. B. Cooper	163, 362	May 18, 1875	617	197	7	851
Filter, Water	E. S. Farson	169, 631	Nov. 9, 1875	367	99	8	783
Filters, Packing	T. R. Sinclair	171, 439	Dec. 21, 1875	761	251	8	1067
Filtering apparatus for saccharine solutions.	W. R. Watson and R. A. Robertson	165, 637	July 13, 1875	495	151	8	85
Filtering apparatus, Liquid	T. R. Sinclair	163, 814	May 25, 1875	1031	326	7	913
Filtering apparatus, Liquid	T. R. Sinclair	163, 377	July 6, 1875	217	65	8	38
Filtering apparatus, Liquid	T. R. Sinclair	169, 857	Nov. 9, 1875	538	168	8	811
Filtering apparatus, Liquid	T. R. Sinclair	171, 055	Dec. 14, 1875	377	124	8	1008
Filtering apparatus, Liquid	T. R. Sinclair	171, 056	Dec. 14, 1875	379	125	8	1008
Finger-nail trimmer	V. Fogerty	161, 112	Mar. 23, 1875	810	266	7	845
Finger-ring boxes, Machine for making cushions for.	B. L. Dennison	161, 493	Mar. 30, 1875	1192	333	7	543
Fire-alarm box	L. H. McCullough and C. Anderson.	162, 085	Apr. 13, 1875	439	146	7	640
Fire-alarm register	F. H. Field	161, 676	Apr. 6, 1875	76	27	7	580
Fire-alarm register	D. T. Phelps and C. W. Edmonds	161, 544	Mar. 30, 1875	1237	318	7	549
Fire-alarm register	D. L. Pierce and F. W. Griswold	167, 116	Aug. 24, 1875	913	285	8	354
Fire-alarm register	W. W. Sawyer	164, 598	June 15, 1875	715	234	7	1047
Fire-alarm signal-box	S. Chester	164, 425	June 15, 1875	571	186	7	1027
Fire-alarm signal-box	W. E. Facer	164, 537	June 15, 1875	664	215	7	1039
Fire-alarm signal-box	G. Floyd	159, 401	Feb. 2, 1875	143	49	7	204
Fire-alarm signal-box	R. N. Tooker	164, 406	June 15, 1875	552	1	7	1024
Fire and burglar alarm, Combined	C. A. Maxfield	170, 485	Nov. 30, 1875	1159	350	8	920
Fire and water proof composition	W. S. and F. W. Gray	163, 373	May 18, 1875	626	216	7	852
Fire-arm	M. Sellen	158, 988	Jan. 19, 1875	614	204	7	123
Fire-arm and ordnance chamber.	T. MacNeil	160, 691	Mar. 9, 1875	400	134	7	415
Fire-arm, Breech-loading	W. H. Baker	167, 293	Aug. 31, 1875	1091	342	8	586
Fire-arm, Breech-loading	C. E. Billings	169, 335	Nov. 2, 1875	11	3	8	736
Fire-arm, Breech-loading	J. Broughton	158, 899	Jan. 12, 1875	527	177	7	112
Fire-arm, Breech-loading	H. C. Bull	169, 413	Nov. 2, 1875	86	26	8	746
Fire-arm, Breech-loading	A. Burgess	165, 829	Oct. 19, 1875	499	162	8	651

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Fire-arm, Breech-loading	D. Couner	160, 880	Mar. 16, 1875	591	155	7	447
Fire-arm, Breech-loading	W. H. Elliot	163, 646	May 25, 1875	891	192	7	894
Fire-arm, Breech-loading	B. Fasoldt	114, 642	June 22, 1875	768	282	7	1062
Fire-arm, Breech-loading	F. W. Freund	160, 762	Mar. 16, 1875	489	159	7	431
Fire-arm, Breech-loading	F. W. Freund	162, 224	Apr. 20, 1875	586	160	7	666
Fire-arm, Breech-loading	C. Green	170, 669	Dec. 7, 1875	15	192	8	953
Fire-arm, Breech-loading	W. W. Greener	168, 328	Oct. 5, 1875	12	5	8	566
Fire-arm, Breech-loading	B. B. Hotchkiss	169, 641	Nov. 9, 1875	321	102	8	785
Fire-arm, Breech-loading	C. A. King	160, 915	Mar. 16, 1875	618	202	7	451
Fire-arm, Breech-loading	J. Lee	160, 919	Mar. 16, 1875	621	203	7	451
Fire-arm, Breech-loading	W. F. Parker	161, 267	Mar. 23, 1875	958	312	7	504
Fire-arm, Breech-loading	J. P. Pieri	166, 138	July 27, 1875	1000	308	8	583
Fire-arm, Breech-loading	O. M. Robinson	163, 810	May 25, 1875	1028	325	8	913
Fire-arm, Breech-loading	O. Schmeeloch	165, 031	June 29, 1875	1138	367	7	1118
Fire-arm, Breech-loading	W. M. Scott	161, 559	Mar. 30, 1875	1249	402	7	1067
Fire-arm, Breech-loading	C. E. and C. W. Snider	171, 442	Dec. 21, 1875	764	251	8	557
Fire-arm, Breech-loading	A. F. W. Timmer	165, 892	July 20, 1875	749	229	8	136
Fire-arm, Breech-loading	B. C. Watson	161, 307	Mar. 23, 1875	992	325	7	509
Fire-arm, Breech-loading	E. Whitney	160, 734	Mar. 9, 1875	440	146	7	420
Fire-arm lock	D. G. Hadley	161, 117	Mar. 23, 1875	815	267	7	486
Fire-arm lock	D. Kirkwood and H. Mortimore	169, 710	Nov. 9, 1875	391	123	8	794
Fire-arm lock	J. H. Lester	161, 343	Mar. 30, 1875	1043	340	7	523
Fire-arm lock	F. Taylor	166, 947	Aug. 24, 1875	751	233	8	331
Fire-arm lock	G. E. Williams	170, 038	Nov. 16, 1875	705	223	8	842
Fire-arm, Magazine	A. Burgess	168, 966	Oct. 19, 1875	621	206	8	669
Fire-arm, Magazine	A. Burgess	169, 083	Oct. 26, 1875	753	246	8	694
Fire-arm, Magazine	R. S. Chaffee	161, 480	Mar. 30, 1875	1174	377	7	540
Fire-arm, Magazine	E. A. Prescott	159, 609	Feb. 9, 1875	350	116	7	241
Fire-arm, Magazine	F. M. Shinu	162, 582	Apr. 27, 1875	939	302	7	719
Fire-arm, Magazine	E. A. F. Toepperwein	167, 712	Sept. 14, 1875	304	97	8	456
Fire-arm, Revolving	W. H. Elliot	168, 562	Oct. 11, 1875	245	80	8	606
Fire-arm, Revolving	S. Forehand and H. C. Wadsworth	162, 162	Apr. 20, 1875	531	175	7	659
Fire-arm, Revolving	F. W. Hood	160, 192	Feb. 23, 1875	911	300	7	330
Fire-arm, Revolving	F. W. Hood	161, 615	Apr. 6, 1875	23	10	7	572
Fire-arm, Revolving	H. H. Hopkins	162, 475	Apr. 27, 1875	849	273	7	707
Fire-arm, Revolving	W. Mason	158, 957	Jan. 19, 1875	525	194	7	119
Fire-arm, Revolving	J. Rupertus	165, 369	July 6, 1875	209	63	8	37
Fire-arm, Revolving	J. Rupertus	169, 848	Nov. 9, 1875	532	166	8	811
Fire-arm, Revolving	D. Smith	160, 551	Mar. 9, 1875	278	94	7	397
Fire-arm, Revolving	D. Smith	163, 032	May 11, 1875	296	95	7	793
Fire-arm, Revolving	D. Smith	171, 059	Dec. 14, 1875	383	126	8	1008
Fire-arm, Revolving	D. Smith and J. C. Marshall	162, 863	May 4, 1875	116	38	7	762
Fire-arm, Revolving	D. B. Wesson	158, 874	Jan. 19, 1875	500	168	7	109
Fire-arm, Revolving	D. B. Wesson	163, 036	May 11, 1875	300	96	7	793
Fire-arm, Revolving	R. White	162, 208	Apr. 20, 1875	572	188	7	665
Fire-arm, Revolving	R. White	166, 173	July 27, 1875	1034	318	8	187
Fire-arm safety-lock	F. Chillingworth	170, 988	Dec. 14, 1875	320	106	8	1000
Fire-arm sight	T. Dunstone	158, 577	Jan. 12, 1875	214	73	7	54
Fire-arm sight	E. W. Freund	160, 819	Mar. 16, 1875	542	176	7	440
Fire-arm sight	D. M. Martinez	168, 404	Oct. 5, 1875	76	27	8	576
Fire-arm stock	J. V. Meigs	160, 935	Mar. 16, 1875	639	203	7	454
Fire-arm swivel-band	J. M. Clough	164, 267	June 8, 1875	407	136	7	996
Fire-arm trigger, Adjustable	H. Watkyns	167, 285	Aug. 31, 1875	1084	341	8	385
Fire-arms, Attaching magazines to	H. Metcalfe	167, 006	Aug. 24, 1875	813	252	8	340
Fire-arms, Detachable pistol-gripe for	F. W. Freund	168, 834	Oct. 19, 1875	502	164	8	652
Fire-arms, Elastic butt-plate for	H. A. Silver	167, 701	Sept. 14, 1875	294	93	8	455
Fire-arms, Extracting shells from revolving	O. F. Cole	171, 506	Dec. 28, 1875	845	277	8	1066
Fire-arms, Guard-lever and means for operating the breech-block of breech-loading	F. W. Freund	162, 374	Apr. 20, 1875	732	238	7	684
Fire-arms, Implement for	A. E. Barthel	168, 823	Oct. 19, 1875	494	161	8	651
Fire-arms, Implement for loading	O. D. Phillips	163, 404	May 18, 1875	654	209	7	856
Fire-arms, Pistol-gripe attachment for the stocks of	F. W. Freund	162, 373	Apr. 20, 1875	730	239	7	684
Fire-arms, Reversible firing pin for breech-loading	J. M. Marlin	159, 592	Feb. 9, 1875	337	112	7	230
Fire-arms, Tortoise-shell handle for	A. Trenkmann	169, 312	Oct. 26, 1875	966	313	8	723
Fire-box	W. Ennis	164, 280	June 8, 1875	418	140	7	998
Fire-box door ring	G. F. Chalender	161, 481	Mar. 30, 1875	1175	377	7	540
Fire-box, Water	J. De Butt	160, 652	Mar. 9, 1875	364	123	7	410
Fire-dog	D. S. Hale	169, 166	Oct. 26, 1875	831	270	8	705
Fire-engine	G. E. Barker	170, 699	Dec. 7, 1875	42	13	8	956
Fire-engine	J. Bean	165, 056	June 29, 1875	1160	374	7	1121
Fire-engine boiler, Steam	J. N. Demisson	168, 973	Oct. 19, 1875	629	208	8	670
Fire-engine, Hand	H. Numever	158, 729	Jan. 12, 1875	349	118	7	73
Fire-engine, Steam	W. Knaust	164, 843	June 22, 1875	933	309	7	1056
Fire-engines, Fire-kindler for steam	F. Beaufait	163, 723	May 25, 1875	955	303	7	902
Fire-escape	J. J. F. and J. Arnao, jr.	159, 738	Dec. 14, 1875	485	163	7	265
Fire-escape	F. P. Berney	164, 131	Feb. 16, 1875	279	95	7	980
Fire-escape	A. J. Culbertson	165, 714	June 8, 1875	577	176	8	112
Fire-escape	M. T. Eldredge	161, 602	July 20, 1875	13	5	7	570
Fire-escape	T. P. Forsyth	161, 113	Apr. 6, 1875	811	266	7	485
Fire-escape	C. A. Fuchslocher and F. A. Schmid	159, 371	Mar. 23, 1875	322	105	7	236
Fire-escape	F. M. Harman	162, 015	Feb. 9, 1875	583	188	8	506
Fire-escape	T. Jingras	170, 270	Sept. 21, 1875	948	296	8	882
Fire-escape	S. Konz	167, 178	Nov. 23, 1875	996	310	8	372
Fire-escape	J. R. Lefferts	170, 958	Aug. 31, 1875	287	96, 97	8	996
Fire-escape	J. E. Lindlan	170, 281	Dec. 14, 1875	955	299	8	883
Fire-escape	E. Matteson	162, 398	Nov. 23, 1875	755	245	7	687
Fire-escape	W. McAllister	171, 040	Apr. 20, 1875	352	117	8	1005
Fire-escape elevator	C. F. Thomas and H. Joerus	160, 485	Mar. 2, 1875	205	71	7	378



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Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
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Fire-escapes, Folding stairs for.....	T. Garrick .....	169,096	Oct. 26, 1875	768	{ 249 250	8	696
Fire-extinguisher .....	G. E. Barker .....	160,072	Feb. 23, 1875	814	267	7	315
Fire-extinguisher .....	B. F. Clemishaw .....	168,720	Oct. 11, 1875	388	127	8	627
Fire-extinguisher .....	C. L. Dehaage .....	162,041	Apr. 13, 1875	401	135	7	636
Fire-extinguisher .....	O. M. Doughy .....	168,627	Oct. 11, 1875	310	101	8	616
Fire-extinguisher .....	H. C. Hart and M. R. S. Dillen- Lee .....	167,664	Sept. 14, 1875	262	82, 83	8	450
Fire-extinguisher .....	E. A. Maginness .....	169,013	Oct. 19, 1875	666	219	8	674
Fire-extinguisher .....	A. A. Murphy and C. C. Hearle .....	163,328	May 18, 1875	5-8	188	7	848
Fire-extinguisher .....	S. S. Newton .....	171,628	Dec. 28, 1875	971	315	8	1104
Fire-extinguisher .....	J. H. Steiner .....	162,585	Apr. 27, 1875	943	303	7	719
Fire-extinguisher .....	C. Van Dusen .....	162,976	May 4, 1875	226	73	7	776
Fire-extinguisher .....	J. B. Van Dyne .....	162,718	Apr. 27, 1875	1073	341	7	735
Fire-extinguisher .....	J. B. Van Dyne .....	162,719	Apr. 27, 1875	1074	341	7	735
Fire-extinguisher .....	E. F. Wadhams .....	162,721	Apr. 27, 1875	1081	343	7	735
Fire-extinguisher, Automatic .....	J. R. Brown and W. A. Foskett .....	166,451	Aug. 10, 1875	276	82	8	245
Fire-extinguisher, Automatic .....	J. R. Brown and W. A. Foskett .....	166,452	Aug. 10, 1875	277	82	8	246
Fire-extinguisher, Chemical .....	A. Gray .....	161,504	Mar. 30, 1875	1202	356	7	544
Fire-extinguisher, Chemical .....	A. E. Hughes .....	164,837	June 22, 1875	948	307	7	1086
Fire-extinguishing apparatus .....	J. H. Connelly .....	161,388	Mar. 30, 1875	1088	353	7	529
Fire-extinguishing apparatus .....	J. H. Connelly .....	170,060	Nov. 16, 1875	728	231	8	845
Fire-extinguishing apparatus .....	J. H. Connelly .....	170,820	Dec. 7, 1875	149	50	8	970
Fire-extinguishing apparatus .....	E. Harris .....	166,003	July 27, 1875	269	267	8	164
Fire-iron stand .....	E. A. Jackson .....	165,101	June 29, 1875	1203	387	7	1136
Fire-kindler .....	F. Boolsen .....	169,773	Nov. 9, 1875	458	145	8	802
Fire-kindler .....	C. F. Cushing .....	170,158	Nov. 23, 1875	848	765	8	868
Fire-kindler .....	D. Frankloder .....	167,520	Sept. 7, 1875	125	38	8	424
Fire-kindler .....	B. S. Harrington .....	160,054	Feb. 23, 1875	798	262	7	313
Fire-kindler .....	C. A. Maynard .....	167,849	Sept. 21, 1875	447	142	8	485
Fire-kindler .....	G. Elberg .....	170,356	Nov. 23, 1875	1021	320	8	893
Fire-lighter, Automatic .....	M. Curran .....	165,409	July 13, 1875	279	83	8	53
Fire-place .....	W. P. A. bendroth .....	161,191	Mar. 23, 1875	877	288	7	494
Fire-place .....	J. Adair .....	165,194	July 6, 1875	53	15	8	16
Fire-place .....	E. M. Deey .....	163,053	May 11, 1875	314	101	7	795
Fire-place .....	M. Fitzpatrick .....	165,440	July 13, 1875	311	91	8	58
Fire-place .....	J. H. Garrard .....	162,745	May 4, 1875	9	4	7	748
Fire-place .....	D. Hayes .....	171,565	Dec. 28, 1875	898	294	8	1604
Fire-place .....	J. S. Lester .....	171,395	Dec. 21, 1875	725	238	8	1062
Fire-place .....	J. McHenry .....	165,604	July 13, 1875	459	140	8	80
Fire-place .....	J. F. Merrill .....	163,678	May 25, 1875	914	291	7	897
Fire-place .....	C. S. Rankin .....	167,020	Aug. 24, 1875	823	256	8	341
Fire-place .....	R. Thompson .....	171,067	Dec. 14, 1875	390	129	8	1000
Fire-place .....	W. Tweeddale .....	165,134	June 29, 1875	1227	385	7	1133
Fire-place fender .....	J. Old .....	160,541	Mar. 9, 1875	270	92	7	399
Fire-place heater .....	J. M. Atkinson .....	170,801	Dec. 7, 1875	134	44	8	968
Fire-place heater .....	W. D. Guseman .....	171,612	Dec. 28, 1875	955	{ 309 310	8	1102
Fire-placo heater .....	J. B. Oldershaw .....	168,772	Oct. 11, 1875	436	142	8	634
Fire-place heater .....	P. Rollhaus, jr .....	166,300	Aug. 3, 1875	105	33	8	214
Fire-place-heater frame .....	N. A. Boynton .....	165,298	July 6, 1875	139	43	8	28
Fire-place, Portable .....	E. White .....	168,821	Oct. 11, 1875	479	156	8	640
Fire-place screen .....	W. C. Williamson .....	169,876	Nov. 9, 1875	559	174	8	814
Fire-plug .....	C. E. Gray .....	166,357	Aug. 3, 1875	155	48	8	221
Fire-plug .....	C. F. Rapp .....	169,476	Nov. 2, 1875	138	45	8	754
Fire-plug .....	J. A. Stacy .....	167,582	Sept. 7, 1875	178	56	8	431
Fire-plug and automatic pump, Combined .....	W. W. Harding .....	166,203	Aug. 3, 1875	18	7	8	201
Fire-plug or hydrant .....	L. S. Chapman .....	163,301	May 18, 1875	561	{ 179 180	7	844
Fire-plug or hydrant, Automatic .....	D. Mimich .....	160,941	Mar. 16, 1875	644	210	7	454
Fire-plug, Water-motor .....	W. W. Harding .....	163,652	May 25, 1875	897	284	7	895
Fire-plugs, Street-lamp signal for .....	G. H. Dougherty .....	168,239	Sept. 28, 1875	821	261	8	545
Fire-shield .....	J. Babson and J. E. Mulford .....	158,455	Jan. 5, 1875	90	31	7	22
Fire-shield .....	J. M. Johnson .....	160,436	Mar. 2, 1875	160	56	7	371
Fire-shield .....	T. T. Moore .....	162,250	Apr. 20, 1875	612	199	7	669
Fire-shield .....	T. T. Moore and D. E. Bradley .....	169,466	Nov. 2, 1875	131	42	8	753
Fire-shovel .....	J. Edgar and A. Bardell .....	158,478	Jan. 5, 1875	113	38	7	25
Fires, Automatic sprinkler for extinguishing .....	H. Conant .....	169,422	Nov. 2, 1875	93	29	8	747
Fires in buildings, Extinguishing .....	S. S. Newton .....	171,305	Dec. 21, 1875	642	210	8	1050
Fireman's helmet .....	J. E. Spear, jr .....	171,636	Dec. 28, 1875	981	317	8	1105
Fish-culture, Apparatus for .....	J. Roth .....	166,413	Aug. 3, 1875	216	65	8	229
Fish for market, Preparing .....	D. W. and S. H. Davis .....	161,526	Apr. 6, 1875	8	3	7	570
Fish-hook .....	E. L. Dunlap .....	163,980	June 1, 1875	117	39	7	947
Fishing and similar floats .....	W. T. Quinn .....	165,867	July 20, 1875	728	222	8	132
Fishing-line sinker .....	E. Pitcher .....	167,687	Sept. 14, 1875	283	89	8	433
Fishing-reel .....	T. Winans and T. D. Whistler .....	161,314	Mar. 23, 1875	998	327	7	510
Fishing-rod .....	J. L. Graves .....	164,828	June 22, 1875	940	304	7	1081
Fishing-rod case .....	H. L. Leouard .....	169,181	Oct. 26, 1875	841	274	8	707
Fishing-rod reel .....	C. Perry .....	170,188	Nov. 23, 1875	874	273	8	872
Fishing-rod reel .....	H. Winslow .....	166,241	Aug. 3, 1875	51	16	8	206
Fishing spoon-hook .....	G. R. Pierco .....	167,784	Sept. 14, 1875	374	119	8	466
Flame-regulator .....	G. M. Hopkins .....	159,677	Feb. 9, 1875	413	137	7	249
Flask .....							
See Dental flask. Pulley-casting flask.							
Molder's flask.							
Flask .....	W. H. Stroup .....	169,055	Oct. 19, 1875	707	233	8	680
Flask and packing-box, Combined .....	T. R. Almond .....	162,597	Apr. 27, 1875	952	306	7	720
Flat-iron .....	F. Sterzing .....	168,800	Oct. 11, 1875	439	150	8	637
Flat-iron heater .....	W. Cooper .....	162,632	Apr. 13, 1875	393	133	7	635
Flat-iron heater .....	E. D. Dudley .....	160,611	Feb. 23, 1875	760	251	7	308
Flat-iron heater .....	B. Wimet .....	159,489	Feb. 2, 1875	234	76	7	217
Flock-washing machine .....	A. C. Russell .....	171,048	Dec. 14, 1875	366	122	8	1007
Flocking cloth .....	H. N. Slater .....	171,057	Dec. 14, 1875	382		8	1908
Floor and ceiling, Fire-proof .....	L. T. Scofield .....	161,356	Mar. 30, 1875	1055	343	7	525
Floor and ceiling, Fire-proof .....	L. T. Scofield .....	161,357	Mar. 30, 1875	1056	344	7	525

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Floor-clamp	W. D. Clark	164, 115	June 8, 1875	290	99	7	981
Floor-clamp	E. Hickman	165, 446	July 13, 1875	316	93	7	59
Floor-cloth. Machine for making plastic	F. Walton	168, 199	Sept. 28, 1875	788	251	7	541
Floor, Fire-proof	J. D. Pierce	166, 552	Aug. 10, 1875	355	109	7	257
Floor, Fire-proof	L. P. Rogers	166, 148	July 27, 1875	1010	311	7	164
Floor mat	C. M. Raulhier	164, 333	June 8, 1875	466	154	7	604
Floors for the passage of pipes, Construction of	W. H. Gedney	160, 014	Feb. 24, 1875	762	252	7	369
Flooring-board	S. A. Reed	168, 672	Oct. 11, 1875	348	114	7	622
Flooring-clamp	J. T. and G. J. Moss	164, 554	June 22, 1875	871	284	7	1076
Floral decorations, Body for	C. A. Warren	163, 247	Feb. 23, 1875	900	315	7	377
Floral stand for windows	G. Hills	159, 676	Feb. 9, 1875	412	137	7	219
Flour and middlings purifier	G. W. Brown	160, 080	Feb. 23, 1875	820	269	7	316
Flour and middlings purifier	A. M. Comstock	167, 592	Sept. 7, 1875	101	33	7	421
Flour and sugar packer	S. Taggart	162, 118	Apr. 13, 1875	471	156	7	611
Flour-bolt	D. T. Choat	158, 626	Jan. 12, 1875	257	87, 88	7	60
Flour-bolt	W. J. Merritt	171, 525	Jan. 12, 1875	861	282	7	1089
Flour-bolt	L. V. Rathbun	158, 520	Dec. 28, 1875	149	50	7	30
Flour-dressing machine	M. Martin	159, 694	Feb. 9, 1875	478	143	7	251
Flour-dressing machine	G. T. Smith	161, 050	June 1, 1875	65, 66	7	7	955
Flour-mill	T. C. Delaplaine	167, 995	Sept. 21, 1875	561	181	7	502
Flour, Mode of packing	A. Leuz	165, 677	July 20, 1875	544	166	7	107
Flour-packer's auger	L. Mowry	168, 767	Oct. 11, 1875	432	140	7	634
Flour-packer's, Double-acting valve-out-off to	S. Taggart	166, 906	Aug. 17, 1875	698	217	7	315
Flour-packer's, Double-acting valve-out-off to	A. M. Hobbs	162, 457	Sept. 21, 1875	531	189	7	567
Flour, Process of manufacturing middlings	R. L. Downton	162, 157	Apr. 20, 1875	526	173	7	659
Flour-sack packer	C. M. Fuller and R. M. Parkerson	168, 387	Oct. 5, 1875	59	21	7	573
Flower and fruit stands, Manufacture of pressed-glass	J. H. Hobbs and C. W. Brockmeyer	162, 234	Apr. 20, 1875	528	196	7	668
Flower, Artificial	S. Orth	161, 350	Mar. 30, 1875	1048	7	7	524
Flower-bracket	A. J. Gardner	165, 227	July 6, 1875	79	23	7	20
Flower-frame	N. Steffens	158, 538	Jan. 5, 1875	163	55	7	32
Flower-pot	J. S. Johnson	165, 000	June 29, 1875	1113	359	7	1114
Flower-pot	C. J. Sands	167, 790	Sept. 14, 1875	379	121	7	467
Flower-pot and vase stand	E. G. Durant	159, 911	Feb. 16, 1875	647	214	7	286
Flower-pot brackets, Revolving saucer for	S. Freeman and G. E. Smith	165, 224	July 6, 1875	77	23	7	19
Flower-stand	S. Vanstone	165, 456	July 13, 1875	327	96	7	60
Flower-stand, Portable	D. M. Reynolds	170, 399	Nov. 23, 1875	1065	365	7	898
Flowers in boxes, Device for holding artificial	T. Andrews, jr., and S. C. Talcott	163, 132	May 11, 1875	3-3	121	7	805
Flowers, Manufacture of sheet-wax for	M. J. McColl	160, 608	Mar. 9, 1875	327	110	7	405
Flue and heating-drum, Smoke	L. T. Houghton	166, 461	Aug. 10, 1875	2-3	84	7	246
Flue-cleaner	A. W. Abrams	163, 129	May 11, 1875	5-2	123	7	805
Flue-cleaner	W. G. Pike	160, 479	Mar. 2, 1875	21	8	7	352
Flue cleaner or scraper	W. H. Kees and L. Schmid	160, 203	Feb. 23, 1875	922	303	7	331
Flue-cover	H. Tongue	159, 231	Jan. 26, 1875	858	280	7	104
Flue-lining	C. A. Freeman	170, 841	Dec. 7, 1875	166	56, 57	7	973
Flue stopper, Ventilating	B. A. Meade	163, 704	May 18, 1875	748	2	7	868
Fluid can and measure	G. W. Aldrich	158, 773	Jan. 19, 1875	408	137	7	97
Fluid-ejector	G. Westinghouse, jr.	160, 803	Mar. 16, 1875	530	172	7	439
Fluid-meter	B. Huber	169, 704	Nov. 9, 1875	386	121	7	793
Fluid-meter	D. P. Weir	164, 116	June 8, 1875	268	92	7	978
Fluid thief or pump	J. Hitchens	161, 036	Mar. 23, 1875	736	242	7	476
Flume-battery	D. F. Hawkes	163, 867	June 1, 1875	28	9	7	934
Flume for conveying timber	H. G. Parker	159, 959	Feb. 16, 1875	690	221	7	282
Fluted fabrics, Machine for creasing	J. H. Brown	171, 264	Dec. 21, 1875	667	199	7	1046
Fluting and polishing iron	W. I. McCausland	164, 196	June 8, 1875	334	114	7	987
Fluting and sad iron, Combined	C. R. Rand	159, 356	Feb. 2, 1875	165	36	7	198
Fluting-iron	W. F. Fisher and A. C. Brown	169, 534	Nov. 2, 1875	188	64, 65	7	761
Fluting-iron	M. Newton	170, 105	Nov. 16, 1875	774	245	7	851
Fluting-iron	C. C. Savery	162, 104	Apr. 13, 1875	456	152	7	643
Fluting-machine	H. Albrecht	168, 954	Oct. 19, 1875	610	202	7	667
Fluting-machine	H. Albrecht	169, 327	Nov. 2, 1875	1	1	7	735
Fluting-machine	J. E. Donovan	164, 272	June 8, 1875	411	137	7	697
Fluting-machine	C. Schneider	169, 301	Oct. 26, 1875	954	309	7	721
Flux for treating ores	P. N. Mackay	159, 831	Feb. 16, 1875	571	188	7	276
Fluxing composition	A. Paraf	167, 016	Aug. 24, 1875	820	255	7	341
Fly or insect trap	H. G. Nelson	161, 814	Apr. 6, 1875	195	66	7	597
Fly-trap	C. Arandall and W. C. Runyan	163, 719	May 25, 1875	949	301	7	902
Fly-trap	W. J. Bennett	171, 085	Dec. 14, 1875	405	134	7	1012
Fly-trap	J. H. Burtis	158, 623	Jan. 12, 1875	255	86	7	60
Fly-trap	T. C. Dunn	171, 362	Dec. 21, 1875	691	227	7	1058
Fly-trap	H. B. Earing	161, 494	Mar. 30, 1875	1194	383	7	543
Fly-trap	H. B. Earing	170, 355	Nov. 23, 1875	1021	320	7	891
Fly-trap	H. L. Ferris	169, 268	Aug. 3, 1875	76	23	7	210
Fly-trap	R. Nutting	167, 464	Sept. 7, 1875	74	23	7	416
Fly-trap	D. E. Roe	161, 354	Mar. 30, 1875	1053	343	7	525
Fly-trap	C. B. Kuckgabec and H. Clarke	160, 719	Mar. 9, 1875	426	142	7	418
Fly-trap	J. C. Sellers	16, 034	Feb. 23, 1875	7-0	257	7	311
Fly-trap	J. S. White	168, 071	Sept. 21, 1875	654	207	7	515
Folder-cutter	T. B. Lamh	170, 569	Nov. 30, 1875	1234	3-9	7	90
Fog-signal	W. S. Martin	167, 818	Sept. 21, 1875	447	142	7	485
Folding and perforating machine	W. Daniels	167, 309	Aug. 31, 1875	1103	347	7	388
Folding chair	J. H. Bean and R. W. Box	168, 865	Oct. 19, 1875	530	174	7	655
Folding chair	I. N. Dann	168, 725	Oct. 11, 1875	392	128	7	628
Folding chair	I. N. Dann	168, 883	Oct. 19, 1875	544	178	7	658
Folding chair	I. N. Dann	169, 968	Nov. 16, 1875	647	202	7	834
Folding chair	F. Hickman	167, 698	Aug. 24, 1875	899	280	7	351
Folding chair	F. Hickman	170, 562	Nov. 30, 1875	1229	3-7	7	929
Folding chair	G. McAleer	169, 015	Oct. 19, 1875	668	219	7	675
Folding chair	G. McAleer	169, 016	Oct. 19, 1875	669	220	7	675
Folding chair	P. W. Nolan	159, 205	Jan. 26, 1875	833	274	7	161
Folding chair	C. D. Oatman	164, 321	June 8, 1875	457	151	7	1094
Folding chair	F. A. Patch	171, 040	Dec. 14, 1875	361	120	7	1066
Folding chair	J. E. Wakefield	161, 050	June 1, 1875	194	70	7	957

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Folding chair.....	J. A. Ware.....	164, 061	June 1, 1875	195	70	7	957
Folding chair.....	G. E. Whitmore.....	160, 985	Mar. 16, 1875	683	224	7	460
Folding table.....	H. Baldwin.....	168, 124	Sept. 28, 1875	720	227	8	531
Folding table.....	J. Bradford.....	162, 215	Apr. 20, 1875	579	190	7	665
Folding table.....	J. Bradford.....	170, 515	Nov. 30, 1875	1186	374	8	923
Folding table.....	H. Butman.....	161, 750	Apr. 5, 1875	139	48	7	589
Folding table.....	P. Cameron.....	160, 155	Feb. 23, 1875	882	291	7	326
Folding table.....	P. S. Crawford.....	166, 263	Aug. 3, 1875	71	22	8	209
Folding table.....	W. Decker.....	161, 597	Apr. 6, 1875	9	3	7	570
Folding table.....	J. W. and D. Howland.....	161, 123	Mar. 23, 1875	822	269	7	487
Folding table.....	R. M. Lambie and G. F. Sargent.....	171, 115	Dec. 14, 1875	466	153	8	1619
Folding table.....	E. J. Marsters.....	165, 111	June 29, 1875	1122	362	7	1115
Folding table.....	J. E. Root.....	165, 951	July 27, 1875	820	251	8	157
Folding table.....	H. B. Sinclair.....	159, 227	Jan. 26, 1875	856	279	7	164
Folding table.....	R. Sprigade and J. Schnoering.....	162, 865	May 4, 1875	118	38	7	762
Folding table.....	S. T. Waggoner.....	161, 304	Mar. 23, 1875	961	324	7	508
Folding table.....	S. T. Waggoner.....	162, 978	May 4, 1875	228	73	7	777
Folding table.....	J. Walton.....	165, 457	July 13, 1875	328	96	8	60
Folding table.....	F. C. Wheeler.....	163, 122	May 11, 1875	374	122	7	804
Folding table.....	G. H. Williams.....	163, 833	May 23, 1875	1047	332	7	915
Folding table.....	H. York.....	159, 737	Feb. 9, 1875	467	{ 156 157 }	{ 7 8 }	257
Folding table, Adjustable.....	C. S. Hood.....	166, 874	Aug. 17, 1875	669	208	8	311
Food, Animal.....	G. Gordon.....	164, 166	June 8, 1875	312	7	7	984
Food, Concentrated extract for.....	J. and W. Horlick.....	163, 493	May 18, 1875	733	7	7	567
Foot-mat.....	A. Wessar and P. W. Cornelius.....	162, 510	Apr. 27, 1875	808	282	7	711
Foot-rest.....	L. M. Angle.....	162, 787	May 4, 1875	49	15	7	753
Foot-rest.....	G. W. Edgcomb and H. A. Goro.....	164, 911	June 29, 1875	1038	334	7	1104
Foot-rest.....	F. A. Farnham.....	169, 897	Nov. 16, 1875	590	183	8	826
Forge, Blacksmith's.....	A. Benac.....	166, 247	Aug. 3, 1875	57	18	8	207
Forging carriage-axle nuts, Die for.....	H. Hammond.....	168, 740	Oct. 11, 1875	410	133	8	6 0
Forging carriage-shaft eyes, Die for.....	W. B. McEneaney.....	171, 151	Dec. 14, 1875	474	155	8	1021
Forging saddle-clips, Die for.....	W. S. Ward.....	169, 869	Nov. 9, 1875	551	172	8	813
Forging wrench-bar heads, Machine for.....	O. C. Burdick.....	168, 135	Sept. 28, 1875	729	{ 230 231 }	{ 8 8 }	532
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Fork and skewer-pull, Combined.....	E. W. Anderson.....	194, 956	June 29, 1875	1078	347	7	1109
Fork and skimmer, Combined.....	A. B. Nott.....	165, 117	June 29, 1875	1215	391	7	1128
Forks, Sharpening attachment to.....	D. M. Church and W. F. Gilbert.....	159, 794	Feb. 16, 1875	542	180	7	272
Founder's pattern.....	S. J. Gold.....	163, 010	May 11, 1875	273	88	7	791
Fountain: <i>See</i> Hanging or portable            Perfume-fountain. fountain.                              Soda-fountain. Parlor-fountain.                      Soda-water fountain.							
Fountain-sprinkler.....	C. A. Buttle.....	158, 903	Jan. 19, 1875	534	178	7	113
Fountains, Ornamental jet for.....	T. Galvin.....	165, 662	July 20, 1875	537	164	8	106
Fracture apparatus.....	B. Danby.....	167, 073	Aug. 24, 1875	871	272	7	348
Fracture-box.....	C. Westerkaup.....	163, 829	May 25, 1875	1042	331	7	915
Frame: <i>See</i> Bed-bottom frame.              Loom-heddle frame. Canopy-frame.                      Mosquito-bar frame. Clock-frame.                      Paper picture-frame. Clothes-frame.                      Picture-frame. Drawing and spinning frame.      Pocket-book frame. Eye-glass-frame.                      Quilting-frame. Flower-frame.                      Sash-frame. Graining-plate frame.              Saw-frame. Grate-frame.                      Slate-frame. Grindstone-frame.                  Spinning-frame. Harness-hanging frame.              Steam-engine frame. Harvester-frame.                      Toilet-glass frame. Hat-frame.                          Wind-wheel frame. Heddle-frame.                      Window-frame. Loom-harness frame.							
Freezing apparatus.....	E. C. Tozer.....	170, 493	Nov. 30, 1875	1171	{ 369 370 }	{ 8 8 }	921
Friction-drum.....	J. S. Muddy.....	158, 967	Jan. 19, 1875	593	197	7	120
Friction power-brake.....	W. H. Ward.....	167, 044	Aug. 24, 1875	841	262	8	344
Fringo.....	J. Hirner.....	169, 993	Nov. 16, 1875	668	209	8	837
Fruit and jelly press.....	C. Cook and W. W. Bostwick.....	167, 827	Sept. 21, 1875	426	136	8	482
Fruit and jelly press.....	H. Nadermann.....	167, 013	Aug. 24, 1875	819	254	8	340
Fruit-basket.....	N. L. Tuck.....	170, 920	Dec. 7, 1875	243	80	8	982
Fruit-box.....	D. Pritzmann.....	169, 841	Nov. 9, 1875	525	164	8	810
Fruit-can.....	S. W. McOmber.....	164, 837	June 22, 1875	967	313	7	1088
Fruit-drier.....	H. J. Allen.....	160, 377	Mar. 2, 1875	105	38	7	363
Fruit-drier.....	H. E. Bidwell.....	163, 968	June 1, 1875	106	36	7	946
Fruit-drier.....	L. A. Gould.....	160, 587	Mar. 9, 1875	308	104	7	402
Fruit-drier.....	J. Johnson.....	166, 385	Aug. 3, 1875	187	56	8	225
Fruit-drier.....	E. A. and C. W. Jones.....	158, 499	Jan. 5, 1875	133	44	7	87
Fruit-drier.....	D. S. Lowman and H. T. Creps.....	167, 549	Sept. 7, 1875	149	46	8	427
Fruit-drier.....	J. P. Nettle.....	168, 769	Oct. 11, 1875	433	141	8	634
Fruit-drier.....	A. J. Reynolds.....	165, 121	June 29, 1875	1218	392	7	1129
Fruit-drier.....	T. C. Walter.....	160, 371	Mar. 2, 1875	1 0	37	7	363
Fruit-drier.....	L. and F. Whittlesey.....	171, 202	Dec. 14, 1875	527	{ 173 174 }	{ 8 8 }	1027
Fruit-drier, Portable.....	J. W. Faulkner.....	166, 086	July 27, 1875	946	292	8	175
Fruit-gatherer.....	I. Coe.....	170, 056	Nov. 16, 1875	723	230	8	845
Fruit-gatherer.....	N. Lash.....	161, 523	Mar. 30, 1875	1218	391	7	546
Fruit-gatherer.....	W. McDevitt.....	160, 341	Mar. 2, 1875	76	27	7	359

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Fruit-gatherer.....	M. Smith .....	166, 418	Aug. 3, 1875	221	67	8	230
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Fruit-jar .....	C. R. Carter .....	169, 340	Nov. 2, 1875	16	5	8	737
Fruit-jar .....	J. H. Cowl .....	167, 437	Sept. 7, 1875	52	16	8	413
Fruit-jar .....	P. F. Darche .....	161, 210	Mar. 23, 1875	893	293	8	497
Fruit-jar .....	E. S. Hunt .....	170, 172	Nov. 23, 1875	863	269	7	870
Fruit-jar .....	D. E. Stevens and R. F. Lumley	164, 663	June 23, 1875	787	258	8	165
Fruit-jar .....	D. E. Stevens and R. F. Lumley	165, 962	July 27, 1875	830	255	7	158
Fruit-jar wire fastener.....	C. Wright .....	159, 010	Jan. 19, 1875	633	210	8	126
Fruit loosener, Dried.....	H. J. White .....	166, 171	July 27, 1875	1032	318	7	187
Fruit-picker.....	J. Bailey .....	165, 053	June 29, 1875	1158	373	7	1120
Fruit-picker.....	J. Mooncy .....	171, 482	Dec. 28, 1875	819	269	7	1083
Fruit-picker.....	B. F. Price .....	158, 736	Jan. 12, 1875	355	120	7	74
Fruit-press .....	I. W. Heysinger.....	166, 103	July 27, 1875	964	297	8	177
Fruit-press, filler, and funnel, Combined.....	G. A. Newsam .....	161, 816	Apr. 6, 1875	197	66	7	597
Frying-pan.....	A. Malin .....	166, 120	July 27, 1875	979	302	7	180
Frying-pan.....	B. Morahan .....	171, 5	Dec. 28, 1875	911	298	8	1096
Fuel, Apparatus for economizing.....	L. C. E. Cane .....	166, 846	Aug. 17, 1875	637	199	8	307
Fuel, Artificial.....	J. J. Eodres .....	162, 362	Apr. 20, 1875	716	.....	8	682
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Fuel, Machine for mixing and molding artificial.....	E. F. Loisean .....	167, 913	Sept. 21, 1875	500	159	8	493
Fuel, Machine for the manufacture of artificial.....	J. J. Endres .....	162, 363	Apr. 20, 1875	717	233 234	7	682
Fuel, &c., Machinery for compression of blocks of.....	F. J. Hancock .....	164, 834	June 22, 1875	945	306	7	1085
Fuel, Making quick-burning.....	W. A. Shepard .....	166, 941	Aug. 24, 1875	745	.....	8	330
Fuel, Press for tooling artificial.....	H. Cottrell .....	170, 713	Dec. 7, 1875	55	17	8	958
Falling-mill.....	S. Hussey .....	158, 842	Jan. 19, 1875	473	159	7	105
Fumigator, Greenhouse.....	T. Shaw .....	161, 163	Mar. 23, 1875	855	279	7	491
Funnel.....	A. Piore .....	159, 445	Feb. 2, 1875	184	63	7	210
Funnel, Lamp-filling.....	H. H. V. Lilley .....	167, 548	Sept. 7, 1875	149	46	8	427
Funnel, Measuring.....	I. W. Hoagland .....	160, 017	Feb. 23, 1875	765	253	7	309
Funnel, Measuring.....	R. A. Landon .....	170, 093	Nov. 16, 1875	764	241	8	850
Furnace:							
<i>See</i> Air-heating furnace.     Ore-roasting furnace.							
Air-heating and vent-     Petroleum-burning fur-							
ilating furnace.	nace.						
Blank-furnace.	Pipe-welding furnace.						
Boiler-furnace.	Portable furnace.						
Brick-kiln furnace.	Puddling-furnace.						
Cnpola furnace.	Quicksilver-furnace.						
Gas-retort furnace.	Reverberating furnace.						
Glass-furnace.	Reverberatory furnace.						
Glue-pot furnace.	Revolving furnace.						
Heating-furnace.	Singoing-furnace.						
Hot-air furnace.	Sleigh-runner furnace.						
Hydrocarbon furnace.	Smelting-furnace.						
Insect-destroying     Smoke-burning furnace.							
furnace.	Smoke-consuming furnace.						
Metal-furnace.	Straw-burning furnace.						
Metallurgic furnace.	Tempering-furnace.						
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Furnace.....	J. K. Caldwell .....	169, 338	Nov. 2, 1875	15	5	8	736
Furnace.....	F. P. Dimpfel .....	167, 441	Sept. 7, 1875	56	17	8	414
Furnace.....	N. L. Newcomb .....	168, 174	Sept. 28, 1875	765	243	8	538
Furnace.....	H. M. Smith .....	164, 402	June 15, 1875	547	179	7	1024
Furnace.....	H. M. Smith .....	164, 404	June 15, 1875	550	180	7	1024
Furnace.....	H. M. Smith .....	167, 579	Sept. 7, 1875	174	55	8	431
Furnace and heater.....	F. Blazieck and G. W. M. Bauer.	158, 460	Jan. 5, 1875	95	32	7	22
Furnace and stove.....	E. Hawkes .....	164, 995	June 29, 1875	1109	358	7	1113
Furnace-door.....	E. H. Ashcroft .....	162, 335	Apr. 20, 1875	687	224	7	679
Furnace-door.....	E. H. Ashcroft .....	167, 310	Aug. 31, 1875	1022	317	8	376
Furnace-door.....	J. Ashcroft .....	162, 333	Apr. 20, 1875	685	223	7	679
Furnace-door.....	J. Ashcroft .....	162, 334	Apr. 20, 1875	686	224	7	679
Furnace-door casing.....	H. F. Hayden .....	167, 665	Sept. 14, 1875	265	83	8	450
Furnace-doors, Device for opening and closing.....	S. L. Denney .....	158, 475	Jan. 5, 1875	110	37	7	21
Furnace-doors, Device for opening and closing.....	G. Lees .....	159, 190	Jan. 26, 1875	819	205 270	7	159
Furnace for blanks.....	J. W. Bonta .....	166, 335	Aug. 3, 1875	137	42	8	218
Furnace for blanks.....	J. W. Bonta .....	166, 336	Aug. 3, 1875	138	43	8	219
Furnace lining composition.....	C. E. Wilson .....	163, 345	May 18, 1875	604	.....	7	849
Furnace steam-distributor.....	A. B. Corey .....	159, 156	Jan. 26, 1875	7-6	258	7	154
Furnace steam-jet.....	G. Steele .....	160, 480	Mar. 2, 1875	200	69	7	377
Furnaces, Apparatus for regulating the supply of air to.....	T. S. Prideaux .....	160, 466	Mar. 2, 1875	186	65	7	375
Furnaces, Device for feeding air to.....	J. L. Winslow .....	164, 357	June 8, 1875	493	162 163	7	1008
Furnaces, Door for feeding straw to.....	W. F. Morgan .....	159, 521	Feb. 9, 1875	287	93	7	231
Furnaces, Feeding air to.....	W. J. O'Neal .....	167, 467	Sept. 7, 1875	76	23	8	417
Furnaces, Promoting combustion in.....	J. C. Tiffany .....	163, 547	May 18, 1875	7-8	250	7	873
Furnaces, Steam or gas and air blast pipe for.....	G. H. Goodsell .....	165, 561	July 13, 1875	421	127	8	75
Furniture-drawer.....	J. J. Fox .....	159, 510	Feb. 9, 1875	321	105	7	226
Furniture-drawers, Anti-friction device for.....	J. D. Freese .....	167, 161	Aug. 31, 1875	951	305	8	379
Furniture-spring.....	J. Flinn .....	171, 369	Dec. 21, 1875	697	121	8	1058
Furniture-spring.....	H. W. Ladd .....	164, 189	June 8, 1875	330	112	7	987
Fuse, Electric.....	C. A. and I. S. Browne .....	158, 672	Jan. 12, 1875	300	102	7	66
Fuse, Electric.....	F. A. Canfield .....	169, 622	Nov. 9, 1875	297	96	8	7-2
Fuse, Electric.....	C. L. Kalmbach .....	164, 921	June 29, 1875	1046	337	7	1105
Fuse, Shell.....	R. S. Walter .....	161, 184	Mar. 23, 1875	871	286	7	493
Fuses, Priming for electric.....	G. M. Mowbray .....	161, 430	Mar. 30, 1875	1127	.....	7	531
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Gaffs, Throat-gear for	C. H. Kingston	162, 291	Apr. 20, 1875	648	212	7	674
Gag-runner	J. P. Hisley	159, 265	Feb. 2, 1875	23	8	7	187
Gage:							
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Bit-gage.	Pressure-gage.						
Caliber-gage.	Printing-press feed-gage.						
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Gaiter, Button	A. Kenny	169, 708	Nov. 9, 1875	390	122	8	794
Gaiter, Button	W. H. Miller	169, 622	Oct. 19, 1875	674	222	7	576
Gaiter, Congress	J. W. Tutewiler	160, 854	Mar. 16, 1875	568	185	7	444
Gaiters, Manufacture of button	A. Kenny	169, 271	Oct. 26, 1875	924	299 300	8	718
Galley, Ship's	J. A. Lusby and J. V. Smith	165, 423	July 13, 1875	291	86	8	55
Galvanic battery	T. Chutaux	164, 807	June 22, 1875	921	298	7	1082
Galvanic battery	J. C. Clamond and L. A. Gaiffe	165, 210	July 6, 1875	67		8	18
Galvanic battery	W. M. Davis	162, 806	May 4, 1875	65	21	7	755
Galvanic battery	B. F. Dawson	167, 510	Sept. 7, 1875	113	36	8	4.2
Galvanic battery	H. P. Dechert	164, 570	June 8, 1875	409	137	7	996
Galvanic battery	C. Duhem	169, 529	Nov. 2, 1875	184	62	8	760
Galvanic battery	E. A. Hill	167, 173	Aug. 31, 1875	992	308	8	372
Galvanic battery	V. E. Keegan	162, 318	May 18, 1875	576	184	7	845
Galvanic battery	J. Kidder	166, 012	July 27, 1875	877	270	8	165
Galvanic battery	G. L. Leclanche	165, 452	July 13, 1875	322	94	8	59
Galvanic battery	J. Leiter	161, 246	Mar. 23, 1875	933	304	7	501
Galvanic battery	R. M. Lockwood	170, 264	Dec. 7, 1875	185	63	8	975
Galvanic-battery pole	H. P. Dechert	165, 312	July 6, 1875	153	47	8	30
Galvanizer's dross, Process of purifying	W. B. Spear and J. W. Richards	361, 831	Apr. 6, 1875	212		7	599
Game apparatus	C. L. Browne	163, 845	June 1, 1875	9	3	7	932
Game apparatus	M. C. Burr	170, 707	Dec. 7, 1875	50	15	8	957
Game apparatus	J. D. Butler	165, 154	July 6, 1875	7	3	8	10
Game apparatus	D. R. Da Costa	158, 918	Jan. 19, 1875	547	182	7	114
Game apparatus	V. Klobassa	159, 937	Feb. 16, 1875	670	222	7	929
Game apparatus	C. Metz	161, 627	Apr. 6, 1875	33	13	7	574
Game apparatus	A. Miller	168, 274	Sept. 28, 1875	854	272	8	550
Game apparatus	D. J. Pierce	161, 983	Apr. 13, 1875	354	119	7	629
Game apparatus	N. Reiz	164, 328	June 8, 1875	461	153	7	104
Game apparatus	F. W. Smith	152, 991	Jan. 19, 1875	617	205	7	124
Game apparatus	C. B. Wainwright	158, 655	Jan. 12, 1875	288	96	7	61
Game apparatus	J. J. Weber	167, 716	Sept. 14, 1875	308	98	8	457
Game apparatus, Revolving	J. W. Cameron	169, 085	Oct. 26, 1875	755	246	8	694
Game-board	G. Bayles	162, 141	Apr. 20, 1875	512	168	7	657
Game-board	A. O. Bourn and W. G. Vermilye	163, 630	May 25, 1875	879	277	7	893
Game-board	H. Darceal	166, 192	Aug. 3, 1875	10	4	8	200
Game-board	C. R. Edwards	165, 410	July 13, 1875	250	83	8	54
Game-board	I. N. Forrester	166, 198	Aug. 3, 1875	14	5	8	201
Game-board	O. A. Gill	169, 820	Mar. 16, 1875	544	176	7	441
Game-board	A. Herzog	166, 776	Aug. 17, 1875	578	178	8	293
Game-board	V. Klobassa	162, 664	Apr. 27, 1875	1012	324	7	728
Game-board	W. F. Lamb	168, 570	Oct. 11, 1875	254	83	8	608
Game, &c., board	C. F. Morgan	163, 601	May 25, 1875	853	269	7	889
Game-board	M. Riedinger	161, 294	Feb. 23, 1875	950	312	7	335
Game-board	J. G. Thurber, jr	170, 429	Nov. 23, 1875	1090	343	8	902
Game-counter	D. Fey and R. H. Pein	169, 160	Oct. 26, 1875	826	268	8	704
Game-counter	C. E. Hackley	167, 662	Sept. 14, 1875	261	81	8	450
Game-table	T. L. Hawkins	163, 192	May 11, 1875	444	143	7	812
Game-table	N. W. Moulton	164, 654	June 22, 1875	779	255	7	1064
Game-table waiter	G. W. Marble	171, 624	Dec. 28, 1875	968	313	8	1103
Garbage-vault	G. L. Shepard and W. Bedell	166, 311	Aug. 3, 1875	116	35, 36	8	216
Garbage implement	J. Christy	168, 334	Sept. 28, 1875	817	259	8	545
Garden-rake	F. B. Hedge	159, 821	Feb. 16, 1875	564	187	7	275
Garden sprinkler	F. M. Gray	160, 516	Mar. 9, 1875	218	85	7	393
Garden-sprinkler	P. Muller	160, 320	Feb. 23, 1875	938	308	7	334
Garment-shaping block	H. Egge-ton	163, 367	May 18, 1875	706	226	7	867
Garment, Under	L. P. Bomey	171, 467	Dec. 28, 1875	802	264	8	1081
Garment, Under	S. T. Converse	167, 436	Sept. 7, 1875	52	16	8	413
Garments, Apparatus for cutting out	K. McKenzie	163, 671	May 25, 1875	911	290	7	897
Garments, Machine for cutting out	J. L. Fry	168, 014	Sept. 21, 1875	580	186	8	506
Garments, Tailor's device for laying out	G. E. Tiffany	164, 343	June 8, 1875	475	158	7	1066
Garter	G. H. Blakesley and J. Wright	169, 229	Oct. 26, 1875	885	287	8	743
Garter	L. F. McDonald	158, 429	Jan. 5, 1875	66	21	7	18
Gas and oils, Manufacture of	H. M. Martin	163, 324	May 18, 1875	582	187	7	847
Gas and water regulator	A. L. Smith	165, 767	July 24, 1875	632	191	8	119
Gas apparatus	J. D. Cathell	162, 625	Apr. 27, 1875	974	313	7	723
Gas apparatus	F. H. Eichbaum	168, 006	Sept. 21, 1875	573	185	8	504
Gas apparatus	J. H. Eichholz	169, 973	Nov. 16, 1875	652	204	8	8.5
Gas apparatus	C. M. Gearing	164, 003	Aug. 10, 1875	402	124	8	264
Gas apparatus	A. Glachet	164, 867	Aug. 17, 1875	600	205	8	310
Gas apparatus	J. D. Kutz	164, 385	May 18, 1875	638	244	7	854
Gas apparatus	C. Lord and B. J. McCabo	167, 999	Oct. 19, 1875	574	189	8	662
Gas apparatus	P. W. Mackenzie	168, 265	Sept. 28, 1875	845	270	8	549
Gas apparatus	J. H. Pugh	168, 049	Sept. 21, 1875	621	200	8	511
Gas apparatus	R. H. Smith and J. Goldthrop	163, 817	May 25, 1875	1033	347	7	913
Gas apparatus	R. P. Spice	165, 268	July 6, 1875	114	34	8	24
Gas apparatus	H. J. Surmon	168, 539	Oct. 5, 1875	202	60, 67	8	593
Gas apparatus, Coal	M. W. Kidder	163, 168	July 6, 1875	20	7	8	11
Gas, Apparatus for charging a stream of water with carbonic-acid	H. B. Dunham	161, 216	Mar. 23, 1875	807	294 295	7	417

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Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
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Gas, Apparatus for generating and washing carbonic-acid.	H. Voigt	168,300	Sept. 28, 1875	875	280	α	553
Gas, Apparatus for manufacture of illuminating.	P. W. Mackenzie	168,758	Oct. 11, 1875	434	138	α	633
Gas, Apparatus for manufacture of illuminating.	R. H. Smith and J. Goldthrop	166,645	Aug. 10, 1875	438	135	α	269
Gas, Apparatus for manufacturing heating.	J. M. Ayer	167,491	Sept. 7, 1875	95	30	α	420
Gas, Apparatus for purifying illuminating.	C. V. Smith and W. Farmer	163,339	May 18, 1875	598	191	α	819
Gas apparatus, Hydrocarbon	C. F. Schüssler	162,290	Sept. 28, 1875	866	277	α	552
Gas apparatus, Hydrocarbon	G. W. Tinsley	163,117	May 11, 1875	370	120	α	803
Gas apparatus, Illuminating	P. L. Allaire	170,799	Dec. 7, 1875	132	44	α	968
Gas apparatus, Portable and stationary	R. H. Ramsey	169,291	Oct. 26, 1875	943	396	α	7.0
Gas as a motive-power, Using carbonic-acid.	J. Wescott	168,546	Oct. 5, 1875	210	69	α	594
Gas-burning boiler, Vertical.	Z. S. Durlee	167,080	Aug. 24, 1875	878	274	α	349
Gas, Combined scrubber and condenser for illuminating.	T. C. Hopper	170,475	Nov. 30, 1875	1149	362	α	918
Gas condenser and purifier, Coal.	W. L. Pratt	162,766	May 4, 1875	27	10	α	750
Gas conduits, Preventing or removing deposits in.	J. C. Tiffany	170,414	Nov. 23, 1875	1076		α	900
Gas-engine	P. Vera	160,130	Feb. 23, 1875	859	284	α	323
Gas-exhauster, Steam-jet	E. Korting	160,433	Mar. 2, 1875	166	57	α	372
Gas-fitters' hooks, Blank for	J. W. Lyon	169,364	Nov. 2, 1875	45	13	α	740
Gas fixture for lighting vaults.	R. H. Watson	163,055	May 11, 1875	299	96	α	793
Gas-flames, Apparatus for lighting, extinguishing, and regulating.	L. Baumeister	158,887	Jan. 19, 1875	511	171	α	110
Gas for burning and lighting, Manufacture of.	T. B. Redwood	169,037	Oct. 19, 1875	689		α	677
Gas for heating-furnaces, Apparatus for preparing oil-well.	W. S. Gillen	167,168	Aug. 31, 1875	983	305	α	370
Gas from hydrocarbon, Apparatus for manufacturing illuminating.	H. S. Maxin	160,216	Feb. 23, 1875	934	306	α	333
Gas from hydrocarbon liquids, Apparatus for producing.	F. G. Voigt	160,799	Mar. 16, 1875	526	169	α	438
Gas from petroleum, Apparatus for manufacturing.	J. McClarty	165,012	June 29, 1875	1123	362	α	1115
Gas-fuel, Compound for	C. Jenty	160,201	Feb. 23, 1875	919		α	331
Gas-furnace	A. Parkes	171,162	Dec. 14, 1875	482	154	α	1022
Gas-generating apparatus	J. H. Rawlings and L. Irelan	159,355	Feb. 2, 1875	104	36	α	198
Gas-generating apparatus	C. L. Vasquez	170,788	Dec. 7, 1875	121	39	α	966
Gas-generator	W. McKnight	171,578	Dec. 28, 1875	969	297	α	1096
Gas-generator	J. C. Mitchell	166,288	Aug. 3, 1875	96	29,30	α	212
Gas generator, Carbonic-acid	C. C. Glover	164,163	June 8, 1875	308	105	α	984
Gas generator, Carbonic-acid	O. Zwietusch	161,728	Apr. 6, 1875	129	42	α	586
Gas-governor.	S. D. Baldwin	168,551	Oct. 11, 1875	234	77	α	605
Gas-governor.	F. M. Dunbar, N. Stowell, and E. M. Dunbar.	163,166	May 11, 1875	418	136	α	809
Gas-governor.	H. J. Ferguson	160,409	Mar. 2, 1875	134	47,48	α	368
Gas-governor.	W. D. Snow	167,795	Sept. 14, 1875	383	123	α	408
Gas-governor.	F. W. Weisbrock	158,768	Jan. 12, 1875	332	130	α	77
Gas-governor, Diaphragm	W. Frost	165,161	July 6, 1875	13		α	11
Gas-heater	G. Mooney	168,764	Oct. 11, 1875	428	140	α	633
Gas, Heating retort for the manufacture of illuminating.	W. H. Spencer	166,637	July 27, 1875	899		α	168
Gas-holder	L. Marks	171,028	Dec. 14, 1875	351	117	α	1004
Gas-holders, Vertical bar for	J. W. Starr, jr	168,799	Oct. 11, 1875	459	150	α	637
Gas hydraulic mains, Dip-pipe for	R. M. Caffall and A. Thomas	159,389	Feb. 2, 1875	131	46	α	203
Gas in water, Absorbing ammonia.	J. M. Beath	159,998	Feb. 23, 1875	745	247	α	307
Gas-jet protector	J. W. Naramore	167,351	Aug. 31, 1875	1142	359	α	393
Gas-light globe.	T. Trudeau	167,417	Sept. 7, 1875	35	10	α	411
Gas-light governor	N. Tufts	159,721	Feb. 9, 1875	451	151	α	255
Gas-lighter, Automatic	H. L. Megill	160,932	Mar. 16, 1875	636	207	α	453
Gas-lighter, Automatic	E. E. Stockwell and A. B. Weiss	170,913	Dec. 7, 1875	227	78	α	981
Gas-lighter, Electric	O. A. Rouillon	170,303	Nov. 23, 1875	978	306	α	866
Gas lighting and extinguishing apparatus.	H. Green and J. Barrow	169,352	Nov. 2, 1875	27	8,9	α	739
Gas-lighting apparatus.	R. M. Potter and W. W. Thomas	160,225	Feb. 23, 1875	944	310	α	334
Gas-lighting apparatus.	Z. Woodworth	169,879	Nov. 9, 1875	562	175	α	815
Gas-lighting apparatus, Electric.	E. E. Bean	170,221	Nov. 23, 1875	903	282	α	875
Gas-lighting apparatus, Electric.	R. Chamberlain	168,614	Oct. 11, 1875	236	96	α	614
Gas-lighting apparatus, Electric.	C. H. Hinds and A. T. Smith	171,130	Dec. 14, 1875	452	149	α	1018
Gas-lighting apparatus, Electric.	F. V. Sandford.	166,304	Aug. 3, 1875	108	34	α	215
Gas-lighting apparatus, Electro-magnetic.	E. E. Bean	158,889	Jan. 19, 1875	516	172	α	111
Gas-lighting by electricity	C. H. Hinds and A. T. Smith	171,131	Dec. 14, 1875	454	149	α	1018
Gas-machine	T. B. Fogarty	171,607	Dec. 28, 1875	935	316	α	1009
Gas-machine	A. Glochet	168,390	Oct. 5, 1875	62	42,23	α	573
Gas-machine	J. C. Henderson	159,179	Jan. 26, 1875	809	263	α	157
Gas, Machine for manufacturing vapor	G. B. Caldwell	164,422	June 15, 1875	538	184	α	1026
Gas-machine retort.	T. Van Kannel and L. D. Towseley.	169,747	Nov. 9, 1875	431	136	α	799
Gas-machines, Automatic air-blast for.	R. Jewson	162,922	May 4, 1875	167	55	α	769
Gas-mains, Drain for	J. Nader	167,854	Sept. 21, 1875	453	143	α	466
Gas-making process	M. W. Kidder	161,093	June 8, 1875	246	85	α	975
Gas-making retorts, Apparatus for supplying liquid hydrocarbon to.	F. H. Eichbaum	165,809	July 20, 1875	667	204	α	421
Gas, Manufacture of.	J. P. Gill	171,117	Dec. 14, 1875	433	144	α	1066
Gas, Manufacture of.	P. W. Mackenzie	165,347	July 6, 1875	186	56	α	34
Gas, Manufacture of.	H. M. Martin	161,323	May 1, 1875	580	187	α	817
Gas, Manufacture of.	H. W. C. Twiddle	165,189	July 6, 1875	49	14	α	15
Gas, Manufacture of illuminating	J. W. Beatty	169,326	Oct. 26, 1875	958	317	α	745
Gas, Manufacture of illuminating	W. H. Spencer	166,636	July 27, 1875	858	27	α	164
Gas, Manufacturing illuminating and heating	G. W. Harris	169,637	Nov. 9, 1875	316	101	α	784

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Gas-meter.....	J. Morgan.....	171, 407	Dec. 21, 1875	735	241	8	1063
Gas-meter.....	J. Radston.....	160, 031	Feb. 23, 1875	777	256	7	310
Gas, Method of treating natural.....	J. H. McElroy and R. Young.....	171, 400	Dec. 21, 1875	729	.....	8	1062
Gas-mixing machine.....	L. Lanszweert.....	170, 677	Dec. 7, 1875	22	7	8	953
Gas or air, Process and apparatus for enriching.....	E. H. Covell.....	169, 423	Nov. 2, 1875	93	29	8	747
Gas-pendant slide.....	S. B. H. Vance.....	162, 871	May 4, 1875	132	40	7	763
Gas, Process and apparatus for manufacture of.....	I. N. Stanley.....	161, 836	Apr. 6, 1875	217	73	7	600
Gas, Process and apparatus for manufacture of illuminating.....	M. W. Kidder.....	168, 904	Oct. 19, 1875	564	185 186 187 188	8	600
Gas, Process and apparatus for manufacture of illuminating.....	T. W. Lion.....	167, 844	Sept. 21, 1875	441	141	8	484
Gas, Process and apparatus for manufacture of illuminating.....	W. H. St. John.....	161, 073	Mar. 33, 1875	768	253	7	480
Gas, Process and apparatus for manufacture of illuminating or heating.....	T. S. C. Lowe.....	167, 847	Sept. 21, 1875	444	141 142	8	484
Gas, Process and apparatus for manufacturing.....	A. C. Rand.....	166, 409	Aug. 3, 1875	211	64	8	928
Gas, Process for manufacture of illuminating.....	F. H. Eichbaum.....	164, 822	June 22, 1875	935	.....	7	1024
Gas, Process of manufacturing illuminating.....	F. H. Eichbaum and A. G. Hunter.....	166, 352	Aug. 3, 1875	151	.....	8	921
Gas-purifier.....	J. D. Patton.....	162, 851	May 4, 1875	105	31	7	761
Gas-purifier.....	G. H. Wells.....	163, 706	May 25, 1875	38	298	7	500
Gas purifiers, Tray or screen for coal.....	A. J. Tewksbury.....	161, 296	Mar. 23, 1875	982	321	7	507
Gas-purifying apparatus.....	O. Brann.....	165, 785	July 20, 1875	641	197	8	121
Gas-purifying boxes, Lime-supporting tray for.....	G. W. Day.....	164, 078	June 8, 1875	234	81	7	974
Gas-regulating apparatus.....	C. F. Jacobsen and G. M. Murphy.....	169, 549	Nov. 2, 1875	210	60	8	763
Gas-regulator.....	J. Adams.....	167, 488	Sept. 7, 1875	92	29	8	419
Gas-regulator.....	J. Anderson.....	159, 139	Jan. 26, 1875	770	253	7	152
Gas-regulator.....	J. H. Bean.....	168, 444	Oct. 5, 1875	109	87	8	581
Gas-regulator.....	M. C. Fisher.....	161, 941	Apr. 13, 1875	322	163	7	625
Gas-regulator.....	A. Hickeloooper.....	160, 430	Mar. 2, 1875	154	54	7	370
Gas-regulator.....	S. S. Ingalls.....	163, 014	May 11, 1875	276	89	7	791
Gas-regulator.....	D. P. Mayhew.....	163, 937	June 1, 1875	82	28	7	942
Gas-regulator.....	G. McMillan.....	171, 236	Dec. 21, 1875	579	190	8	1042
Gas-regulator.....	A. Parsons.....	158, 389	Jan. 5, 1875	32	11	7	13
Gas-regulator.....	R. M. Potter and W. W. Thomas.....	162, 685	Apr. 27, 1875	1038	331	7	731
Gas-regulator.....	W. H. Pounds.....	162, 948	May 4, 1875	197	64	7	773
Gas-regulator.....	I. Rehn.....	163, 255	May 11, 1875	498	162	7	819
Gas-regulator.....	S. C. Sallsbury.....	158, 527	Jan. 5, 1875	135	52	-7	31
Gas-regulator.....	D. Sloan.....	162, 703	Apr. 27, 1875	1037	337	7	733
Gas-regulator.....	D. Sloan.....	162, 704	Apr. 27, 1875	1037	337	7	733
Gas-regulator.....	F. W. Wiesebrock.....	158, 767	Jan. 12, 1875	380	129	7	77
Gas-regulator.....	F. W. Wiesebrock.....	159, 731	Ebb. 9, 1875	460	154	7	256
Gas-regulator.....	F. W. Wiesebrock.....	159, 732	Feb. 9, 1875	461	154	7	256
Gas-regulator diaphragms, Treating leather for.....	R. J. Pintsch.....	162, 947	May 4, 1875	196	.....	7	773
Gas-retort.....	W. W. Goodwin.....	159, 816	Feb. 16, 1875	560	186	7	274
Gas-retort.....	W. Harkness.....	161, 410	Mar. 30, 1875	1109	359	7	532
Gas-retort.....	S. P. Parham.....	158, 515	Jan. 5, 1875	146	49	7	29
Gas-retort.....	S. S. Putnam.....	162, 309	Apr. 20, 1875	663	216 217	7	676
Gas-retort.....	W. Smith.....	163, 818	May 25, 1875	1034	327	7	914
Gas-retort.....	J. C. Tiffany.....	164, 458	June 1, 1875	192	69	7	957
Gas-retort.....	W. F. Weible.....	161, 369	Mar. 30, 1875	1067	347	7	526
Gas-retort charger.....	J. West.....	160, 490	Mar. 2, 1875	211	73	7	379
Gas, Retort for the manufacture of illuminating.....	D. L. MacNeill.....	160, 470	Mar. 9, 1875	446	148	7	421
Gas-retort furnace.....	D. Davison.....	161, 212	Mar. 23, 1875	894	293	7	497
Gas-retort lid.....	H. Collison.....	169, 960	Nov. 16, 1875	641	200	8	833
Gas-retort mouth-piece.....	P. Munzinger.....	166, 131	July 27, 1875	992	306	8	182
Gas-retorts, Mouth-piece lid for.....	S. A. Thomas.....	161, 716	Apr. 6, 1875	106	38	7	584
Gas retorts, Process and apparatus for decarbonizing.....	D. Davison.....	169, 628	Nov. 9, 1875	303	98	8	783
Gas-retorts, Process for cleausing.....	H. S. Wolf.....	165, 398	July 6, 1875	245	.....	8	42
Gas-retorts, Process of forming a tight joint between the mouth-piece and lid of.....	N. Janin.....	169, 001	Oct. 19, 1875	653	215	8	673
Gas, Scrubber and condenser for illuminating.....	W. H. White.....	165, 141	June 29, 1875	1236	398	7	1131
Gas-stand support.....	T. F. McGann.....	168, 761	Oct. 11, 1875	426	139	8	633
Gas, Treating hydrocarbonous for making.....	H. H. Edgerton.....	159, 655	Feb. 9, 1875	390	130	7	246
Gas-washing machinery.....	T. K. Lees.....	168, 906	Oct. 19, 1875	172	188	8	661
Gas-works, Tar-gate for hydraulic mains in.....	J. M. Slaney.....	168, 101	Sept. 28, 1875	750	248	8	510
Gas-wrench.....	S. B. H. Vance.....	161, 182	Mar. 23, 1875	870	285	7	493
Gases, Apparatus for hydrating.....	B. H. Jenks.....	165, 837	July 20, 1875	700	213	8	128
Gases or liquids under pressure, Vessel for containing.....	J. Matthews.....	159, 433	Feb. 2, 1875	173	59	7	208
Gasalier, Drop-light.....	J. Fox.....	169, 430	Nov. 2, 1875	101	31	8	748
Gasalier, Extension.....	E. Russell.....	162, 694	Apr. 27, 1875	1045	333	7	732
Gasalier, Extension or drop-light.....	J. H. Seaman.....	167, 697	Sept. 14, 1875	291	92	8	454
Gaseous fuel, Process and apparatus for generating.....	A. Ponsard.....	163, 247	May 11, 1875	490	159 160	7	818
Gasometers, System of gearing for.....	J. C. Tiffany.....	163, 548	May 18, 1875	789	250	7	873
Gate: See Automatic gate. Sliding gate. Canal-lock gate. Sluice-gate. End-gate. Swinging gate. Farm-gate. Vehicle end-gate. Lifting-gate. Wagon end-gate. Railway-crossing gate. Water-wheel gate. Registering-gate.							
Gate.....	L. C. Cohn.....	165, 792	July 20, 1875	649	199	8	122
Gate.....	J. A. Kuepper.....	169, 449	Nov. 2, 1875	115	37	8	751
Gate.....	M. S. McSwain.....	158, 384	Jan. 5, 1875	28	10	7	12
Gate.....	C. C. Redmond and H. H. Rhodes.....	167, 567	Sept. 7, 1875	164	52	8	429
Gate-fastening.....	W. Leach.....	168, 754	Oct. 11, 1875	421	137	8	632
Gate-latch.....	J. Vetterlein.....	170, 033	Nov. 16, 1875	701	221	8	842
Gateway.....	S. L. Fisher.....	164, 986	June 29, 1875	1101	353	7	1112
Gear-cutting attachment.....	W. Krutzsch.....	166, 705	Aug. 17, 1875	512	157	8	288
Gear-wheel molds, Machine for forming.....	J. Clayton.....	161, 385	Mar. 30, 1875	1087	352	7	329

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Gearing	H. L. Gordon	160, 181	Feb. 23, 1875	902	297	7	328
Gelatin from salted fish skins, Process of extracting	J. S. Rogers	167, 123	Aug. 24, 1875	920		8	355
Gems, Setting	T. W. Fry	165, 722	July 20, 1875	583	179	8	113
Gems, Setting	H. G. Mackinney	167, 457	Sept. 7, 1875	68	21	8	416
Generator:							
<i>See</i> Gas-generator.							
Steam-generator.							
Soda-water generator.							
Gilding-machine	W. Braidwood	162, 892	May 4, 1875	140	46	7	765
Gilding, Passe-partout base for	H. McHugh	162, 404	Apr. 20, 1875	759		7	687
Glass:							
<i>See</i> Eyeglass.							
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Glass and furnace therefor, Tempering	F. B. A. R. de la Bastie	169, 783	Nov. 9, 1875	466	{ 147 148 }	{ 8 8 }	803
Glass-annealing oven	T. B. Atterbury	164, 632	June 22, 1875	758	249	7	1061
Glass articles, Mold for and process of manufacturing	T. B. Atterbury	159, 061	Jan. 26, 1875	703	231	7	142
Glass-cutter, Steel	H. H. Clark	166, 684	Aug. 17, 1875	494	151	8	286
Glass-furnace	J. Nicholson, jr.	171, 211	Dec. 21, 1875	584	192	8	1044
Glass, Method of ornamenting	T. Jones	159, 418	Feb. 2, 1875	159	54	7	206
Glass, Method of producing etchings on	E. Dallmeine	164, 730	June 22, 1875	432		7	1072
Glass-mold	B. Bakewell, jr.	159, 062	Jan. 26, 1875	704	231	7	143
Glass, &c., mold	A. P. Brooke	164, 517	June 15, 1875	648	210	7	1037
Glass-mold	H. Franz	170, 839	Dec. 7, 1875	164	55	8	972
Glass-mold	J. H. Hobbs and C. W. Brocku- nier.	162, 233	Apr. 20, 1875	597	196	7	668
Glass-mold	W. C. King and A. Sperber	162, 480	Apr. 27, 1875	853	274	7	708
Glass-molds, Detachable plate for	G. Storm	163, 276	May 11, 1875	519	168	7	822
Glass plates, Apparatus for bevelling	J. V. Laurent	159, 518	Feb. 9, 1875	283	91	7	230
Glass-press	W. Beck	162, 791	May 4, 1875	54	17	7	754
Glass pressing and molding machine	A. P. Brooke	162, 894	May 4, 1875	143	46	7	766
Glass, &c., Process for ornamenting surfaces of	J. H. and C. W. Crane	701, 760	Apr. 6, 1875	146		7	590
Glass, Process of annealing	J. M. Brookfield	170, 339	Nov. 23, 1875	1008		8	891
Glass, Process of decorating	J. Budd	169, 412	Nov. 2, 1875	85		8	746
Glass spheres, Method of blowing	F. Rhind	169, 479	Nov. 2, 1875	142	46	8	754
Glass-tool	T. Carr	168, 371	Oct. 5, 1875	48	17	8	551
Glass-working apparatus	B. F. Chase	161, 861	Apr. 13, 1875	248	82, 83	7	616
Glassware, Covered	T. B. Atterbury	159, 628	Feb. 9, 1875	363	121	7	243
Glassware, Device for removing the blow-over from	W. Adams	170, 798	Dec. 7, 1875	131	43	8	968
Glassware, Hollow-pressed	W. Leighton, jr.	159, 519	Feb. 9, 1875	283	91	7	231
Glassware, Manufacture of	A. A. Adams	162, 330	Apr. 20, 1875	603	223	7	678
Glassware, Manufacture of	T. B. Atterbury	170, 218	Nov. 23, 1875	900	281	8	815
Glassware, Manufacture of	C. W. Brckunier	162, 216	Apr. 20, 1875	579	190	7	665
Glassware, Manufacture of	J. C. Gill	167, 608	Sept. 14, 1875	217	67	8	443
Glassware, Manufacture of	J. H. Hobbs	169, 103	Oct. 26, 1875	775	252	8	697
Glassware, Manufacture of	W. C. King	163, 787	May 25, 1875	1007	319	7	910
Glassware-mold	B. Bakewell, jr.	170, 464	Nov. 30, 1875	1139	359	8	917
Glassware-mold	J. H. and M. Smith	163, 539	May 18, 1875	781	247	7	872
Glazier's diamond	P. Sinsz	167, 575	Sept. 7, 1875	172	54	8	430
Glazier's points, Machine for cutting	J. M. Jay	171, 826	Dec. 21, 1875	627	205	8	1049
Globe	E. E. Fitz	158, 581	Jan. 12, 1875	217	74	7	55
Globe for schools, Geographical	N. N. Browne	169, 950	Nov. 16, 1875	635	197	8	832
Globe-holder	J. White	162, 731	Apr. 27, 1875	1090	345	7	737
Globe-stand	C. G. Durant	171, 472	Dec. 28, 1875	806	266	8	1081
Globe, Terrestrial	M. McVicar	168, 514	Oct. 5, 1875	177	57	8	589
Glove	J. Foubillon	166, 270	Aug. 3, 1875	78	24	8	210
Glove	W. Meyer	164, 578	June 15, 1875	700	228	7	1045
Glove and mitten, Husking	H. L. Hall	168, 836	Oct. 19, 1875	505	165	8	652
Glove-clasp or fastener	I. Lewine	163, 219	May 11, 1875	463	150	7	815
Glove-fastening	S. W. Glenn	163, 764	May 25, 1875	988	313	7	907
Glove, Gauntlet	J. W. Latcher and M. E. Duham	169, 451	Nov. 2, 1875	117	37	8	751
Glove-stretcher	D. S. Hayward	165, 096	June 29, 1875	1199	385	7	1126
Gloves, Manufacture of	G. S. Hewitt	162, 474	Apr. 27, 1875	848	272	7	707
Gloves, Manufacture of	W. Garton	166, 090	July 27, 1875	953		8	176
Glue-cup	H. Meyer	158, 961	Jan. 19, 1875	588	195	7	120
Glue-cutting apparatus	H. Stevens	168, 801	Oct. 11, 1875	460	150	8	637
Glue-drier	A. H. Sandholzer	158, 391	Jan. 5, 1875	34	12	7	13
Glue-drier	S. T. Swazey	160, 797	Mar. 16, 1875	525	169	7	438
Glue-joint-making machine	O. C. Barnes	162, 600	Apr. 27, 1875	955	307	7	721
Glue-pot	T. C. Howes	163, 203	May 11, 1875	452	146	7	813
Glue-pot furnace	T. C. Howes	168, 998	Oct. 19, 1875	652	215	8	672
Glue, Process for preparing and drying	H. Stevens	168, 802	Oct. 11, 1875	461	150	8	657
Gold and silver ores, Apparatus for roasting	R. M. Fryer	170, 625	Nov. 30, 1875	1292	408	8	947
Gold, Extracting	F. W. Dahne	159, 647	Feb. 9, 1875	379		7	245
Gold from other metals, Separating	C. Wiegand	168, 695	Oct. 11, 1875	364	120	8	624
Gold from sand, Apparatus for separating	T. W. Irvin	166, 009	July 27, 1875	874	269	8	164
Gold-leaf, Method of booking	J. Varley	163, 424	May 18, 1875	669		7	858
Gold, silver, &c., from their ores, Collecting	M. Luffin	161, 129	Mar. 23, 1875	825		7	487
Gold, silver, &c., Solution for cleaning	G. M. Norwood	167, 192	Aug. 31, 1875	1006		8	371
Gold-washer	J. S. Calvert	171, 597	Dec. 28, 1875	927	304	8	1058
Gold washer and separator	B. Tyson	168, 116	Sept. 28, 1875	710	224	8	529
Gong-attachment, Engine-house	R. Bragg	165, 438	July 13, 1875	369	91	8	58
Gong, Street-car, &c.	B. P. Funnell	161, 109	Mar. 23, 1875	808	295	7	455
Gong, Street-car.	W. Guilfoyle	169, 556	Nov. 2, 1875	35	10	8	739
Goods in bulk, Apparatus for transferring	L. Dathis	159, 556	Feb. 9, 1875	319	101	7	236
Goods, packages, &c., Apparatus for transmission of	D. Brown	165, 473	July 13, 1875	345	101	8	62
Gophers, squirrels, &c., Making poisonous composition for destroying.	J. G. Steele	168, 935	Oct. 19, 1875	516		8	605
Governor	D. L. F. Chase	162, 219	Apr. 20, 1875	582	191	7	666
Governor	J. Felber	167, 885	Sept. 21, 1875	479	151	8	489
Governor	W. D. Marks	164, 715	June 22, 1875	863	281	7	1075
Governor and cut-off, Steam-engine	M. D. Miller	169, 719	Nov. 9, 1875	399	125	8	795
Governor, Electric-motor	A. MacConnell	166, 471	Aug. 10, 1875	291	87	8	248
Governor, Electrical marine-engine	C. C. Wolcott	168, 548	Oct. 5, 1875	212	69	8	594
Governor, Engine	J. W. Mathieson	168, 165	Sept. 28, 1875	760	240	8	537
Governor, Engine	H. S. Maxim	165, 741	July 20, 1875	601	185	8	116
Governor for hot-air furnaces, Automatic	S. Kepner	162, 662	Apr. 27, 1875	1009	323	7	727



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Governor, Marine-engine	E. W. Briggs and A. V. De Pew	169, 141	Oct. 26, 1875	809	262	8	702
Governor, Marine-engine	J. Everding	163, 147	Sept. 28, 1875	743	234	8	534
Governor, Steam	D. L. F. Chase	160, 572	Mar. 9, 1875	296	100	7	400
Governor, Steam	J. Judson and W. A. Cogswell	169, 815	Nov. 9, 1875	498	{ 156 157 }	8	807
Governor, Steam	W. Mein	165, 851	July 20, 1875	713	217	8	130
Governor, Steam	M. Muchin	159, 955	Feb. 16, 1875	686	{ 227 228 }	7	291
Governor, Steam-engine	F. M. Brown	159, 299	Feb. 2, 1875	51	19	7	191
Governor, Steam-engine	T. M. Corbett and H. Campbell	167, 225	Aug. 31, 1875	1034	321	8	377
Governor, Steam-engine	J. C. Hoadley	164, 917	June 29, 1875	1043	366	7	1105
Governor, Steam-engine	J. Judson and W. A. Cogswell	160, 774	Mar. 16, 1875	502	163	7	435
Governor, Steam-engine	A. Kendall	163, 662	May 25, 1875	903	2-7	7	296
Governor, Steam-engine	G. L. McCahan	162, 401	Apr. 20, 1875	757	246	7	627
Governor, Steam-engine	F. M. Merrill	164, 859	June 22, 1875	969	{ 313 314 }	7	1088
Governor, Steam-engine	N. E. Nash	168, 914	Oct. 19, 1875	579	191	8	662
Governor, Steam-engine	G. C. Sims	164, 942	June 29, 1875	1067	344	7	1108
Governor, Steam-engine	T. I. Walsh	162, 873	May 4, 1875	124	41	7	763
Governor, Steam-engine	G. Westinghouse, jr.	162, 782	May 4, 1875	43	14	7	752
Governor, Steam-engine	J. D. Willoughby	162, 416	Apr. 20, 1875	799	260	7	692
Governor, Water-wheel	A. Woodworth	161, 084	Mar. 23, 1875	719	256	7	481
Governor, Water-wheel	E. Wright	169, 073	Oct. 19, 1875	723	239	8	682
Governor, Water-wheel and hydraulic.	F. G. Hesse	161, 035	Mar. 23, 1875	734	{ 242 242 }	7	476
Grading apparatus	E. Chmreh	163, 849	June 1, 1875	13	4	7	932
Grading apparatus	J. McGavin	159, 594	Feb. 9, 1875	339	112	7	239
Grain and straw lifter	D. Crane	160, 576	Mar. 9, 1875	298	101	7	400
Grain, Apparatus for storing and preserving	H. P. C. Lassen	171, 290	Dec. 21, 1875	631	206	8	1049
Grain-band	C. L. Travis	160, 972	Mar. 16, 1875	671	219	7	458
Grain-binder	J. F. Appleby	171, 465	Dec. 28, 1875	799	263	8	1081
Grain-binder	J. J. Atwater	170, 617	Nov. 30, 1875	1284	406	8	936
Grain-binder	S. D. Carpenter	158, 465	Jan. 5, 1875	98	34	7	23
Grain-binder	C. F. Carr and S. S. Wilcox	162, 899	May 4, 1875	147	47, 48	7	766
Grain-binder	C. E. Donnellan	167, 997	Sept. 21, 1875	563	{ 181 182 }	8	503
Grain-binder	J. Garrard	169, 251	Oct. 26, 1875	905	293	8	715
Grain-binder	J. Garrard	169, 252	Oct. 26, 1875	905	294	8	715
Grain-binder	J. F. Gordon	163, 480	May 18, 1875	724	230	7	865
Grain-binder	J. F. Gordon	169, 258	Oct. 26, 1875	911	296	8	716
Grain-binder	M. L. Gorham	159, 506	Feb. 9, 1875	264	86, 87	7	229
Grain-binder	J. M. Groover	159, 176	Jan. 26, 1875	804	{ 263 264 }	7	157
Grain-binder	S. S. Jackman	169, 360	Nov. 2, 1875	38	11	8	740
Grain-binder	F. P. Kosbeck	169, 043	Oct. 19, 1875	695	229	8	678
Grain-binder	C. L. Travis	160, 732	Mar. 9, 1875	437	145	7	420
Grain-binder	J. H. Whitney	163, 830	May 25, 1875	1043	331	7	915
Grain-binder	J. H. Whitney	168, 120	Sept. 28, 1875	714	{ 225 226 }	8	530
Grain-binding implement	W. A. Patterson	160, 705	Mar. 9, 1875	414	138	7	417
Grain-binding machine	A. W. Tucker	169, 743	Nov. 9, 1875	423	{ 134 135 }	8	798
Grain-cleaner	T. Bühlmann	167, 297	Aug. 31, 1875	1095	{ 343 344 }	8	386
Grain-cleaner brush	G. E. Throop	160, 243	Feb. 23, 1875	957	314	7	337
Grain-conveyor	H. W. Caldwell	164, 715	June 22, 1875	838	272	7	1071
Grain-conveyor	H. Severn	162, 955	May 4, 1875	206	66	7	774
Grain-conveyor	N. G. Simonds	169, 662	Nov. 9, 1875	341	108	8	787
Grain-conveyor	W. Stanton	160, 479	Mar. 2, 1875	199	68, 69	7	377
Grain-conveyor shaft	H. I. P. F. and F. D. Chase	170, 711	Dec. 7, 1875	53	16	8	958
Grain-cradle	J. W. Settle	158, 745	Jan. 12, 1875	360	123	7	75
Grain-crushing machine	C. C. Washburn	161, 185	Mar. 23, 1875	872	286	7	493
Grain-decoricator	S. Dodson	169, 426	Nov. 2, 1875	97	30	8	718
Grain-decoricator	W. Seck	166, 416	Aug. 3, 1875	219	66	8	229
Grain-distributor	J. Walker	162, 591	Apr. 27, 1875	947	304	7	720
Grain-drill	W. Aldrich	166, 739	Aug. 17, 1875	547	168	8	293
Grain-drill	W. Brown	159, 638	Feb. 9, 1875	372	123	7	214
Grain-drill	J. C. Daman	164, 151	June 8, 1875	296	101	7	982
Grain-drill	J. C. Daman	170, 241	Nov. 23, 1875	921	287	8	878
Grain-drill	J. King	158, 716	Jan. 12, 1875	338	115	7	72
Grain-drill	B. Kuhns	160, 829	Mar. 16, 1875	550	179	7	442
Grain-drill	J. T. Lyman	166, 997	Aug. 24, 1875	803	249	8	338
Grain-drill	E. D. Mead	165, 015	June 21, 1875	1125	363	7	1116
Grain-drill	C. E. Patric and J. S. Bogle	168, 948	Oct. 19, 1875	582	192	8	663
Grain-drill and planter	H. Reutehler and E. M. Morgan	164, 482	June 15, 1875	619	200	7	133
Grain-drill feed-wheel	B. Kuhns	161, 688	Apr. 6, 1875	85	30	7	581
Grain-drill feeding mechanism	A. J. Martin	169, 561	Nov. 2, 1875	221	72, 73	8	764
Grain-drill feeding mechanism	E. Morgan	169, 283	Oct. 26, 1875	935	303	8	719
Grain-drill teeth	G. L. Ives	166, 779	Aug. 17, 1875	589	178	8	298
Grain-drill teeth	I. B. Sandusky	161, 445	Mar. 30, 1875	1139	367	7	536
Grain-drills, Force-feed apparatus for	W. Aldrich	166, 678	Aug. 17, 1875	488	119	8	285
Grain-drier	H. H. Beach	159, 014	Jan. 26, 1875	664	217	7	137
Grain-drier	A. Nash	168, 101	Sept. 28, 1875	696	220	8	528
Grain-drier	J. Souter	167, 797	Sept. 14, 1875	385	123	8	468
Grain-elevator	E. Korting	168, 029	Sept. 21, 1875	600	191	8	508
Grain-elevator	J. S. Metcalf	164, 577	June 15, 1875	699	{ 227 228 }	7	1044
Grain-elevator	C. W. Mills	166, 023	July 27, 1875	886	274	8	167
Grain for grinding, Preparing	A. Bertelsen and M. Martens	163, 139	May 11, 1875	390	126	7	806
Grain-fork	F. Gerfen	166, 201	Aug. 3, 1875	17	6	8	201
Grain-hulling and cleaning machine	T. Wallace and G. W. Hyde	161, 367	Mar. 30, 1875	1065	316	7	526
Grain-hulling and scouring machine	L. S. Chichester	159, 060	Jan. 26, 1875	721	238	7	145
Grain-hulling machine	C. Schaschne	159, 461	Feb. 2, 1875	208	67	7	213
Grain-meter	W. Colwell	166, 593	Aug. 10, 1875	391	121	8	262
Grain-meter	B. M. Palliam	170, 965	Dec. 14, 1875	298	99	8	997

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Grain preparatory to grinding, Moistening.....	W. M. Kennedy.....	159, 100	Jan. 26, 1875	739	.....	7	148
Grain-sampler.....	F. A. Forst.....	160, 416	Mar. 2, 1875	142	50	7	369
Grain-scourer.....	M. D. Beardstee.....	162, 213	Apr. 20, 1875	577	189	7	065
Grain-scourer.....	D. M. Richardson.....	158, 740	Jan. 12, 1875	357	122	7	74
Grain-scourer.....	T. Wallace.....	161, 368	Mar. 30, 1875	1006	346	7	526
Grain-scouring and decortiating machine.....	W. P. Robinson.....	169, 58-9	Nov. 2, 1875	251	82	7	769
Grain-separator.....	C. F. Butterfield.....	170, 936	Dec. 14, 1875	266	89	7	993
Grain-separator.....	D. H. Caswell.....	170, 816	Dec. 7, 1875	145	48, 49	7	432
Grain-separator.....	W. S. Clymans.....	160, 750	Mar. 16, 1875	476	156	7	73
Grain-separator.....	W. S. Clymans.....	165, 544	July 13, 1875	409	123	7	421
Grain-separator.....	A. B. Farquhar.....	166, 351	Aug. 3, 1875	152	47	7	246
Grain-separator.....	A. W. Gray.....	166, 456	A. g. 10, 1875	279	83	7	1041
Grain-separator.....	L. W. Hasselman.....	171, 222	Dec. 21, 1875	568	187	7	206
Grain-separator.....	T. J. Hubbell.....	159, 414	Feb. 2, 1875	156	53	7	155
Grain-separator.....	J. W. Johnson.....	165, 931	July 27, 1875	802	246	7	895
Grain-separator.....	W. W. Johnston.....	170, 376	Nov. 23, 1875	1040	326	7	238
Grain-separator.....	M. D. Judkins.....	159, 5-1	Feb. 9, 1875	328	108	7	255
Grain-separator.....	A. W. Kendrick.....	166, 532	Aug. 10, 1875	339	104	7	674
Grain-separator.....	E. Knapp.....	162, 292	Apr. 20, 1875	649	212	7	320
Grain-separator.....	W. M. Koppes.....	160, 105	Feb. 24, 1875	839	276	7	814
Grain-separator.....	H. Kurth.....	163, 213	May 11, 1875	459	142	7	815
Grain-separator.....	H. Kurth.....	163, 214	May 11, 1875	459	149	7	728
Grain-separator.....	J. B. Lobdell and M. F. Bartlett.....	162, 609	Apr. 27, 1875	1019	326	7	309
Grain-separator.....	J. H. Locke.....	160, 022	Feb. 23, 1875	769	254	7	620
Grain-separator.....	H. Meike.....	168, 659	Oct. 11, 1875	329	110	7	932
Grain-separator.....	C. B. Nichols.....	170, 584	Nov. 30, 1875	1251	394	7	489
Grain-separator.....	M. O'Brien.....	161, 147	Mar. 23, 1875	842	274	7	870
Grain-separator.....	H. Osborn and T. T. Kendrick.....	163, 516	May 18, 1875	761	241	7	871
Grain-separator.....	M. C. Rider and G. W. Reynolds.....	163, 530	May 18, 1875	774	245	7	830
Grain-separator.....	L. C. Royer.....	167, 570	Sept. 7, 1875	167	53	7	37
Grain-separator.....	H. H. Sealey.....	165, 373	July 6, 1875	212	64	7	1069
Grain-separator.....	L. Theobald.....	171, 066	Dec. 14, 1875	3-9	129	7	493
Grain-separator.....	W. Touper.....	161, 179	Mar. 23, 1875	868	284	7	304
Grain-separator.....	W. E. Torley.....	166, 826	Aug. 17, 1875	620	192	7	33
Grain-separator.....	P. Warner.....	158, 549	Jan. 5, 1875	172	58, 59	7	399
Grain-separator.....	O. K. Wood.....	160, 561	Mar. 9, 1875	287	97	7	266
Grain-shock-compressing machine.....	S. C. Mear.....	166, 624	Aug. 10, 1875	420	130	7	483
Grain-steaming apparatus.....	J. C. Hincart.....	167, 837	Sept. 21, 1875	435	138	7	849
Grain-steaming apparatus.....	M. H. Steele.....	163, 340	May 18, 1875	599	{ 191 } { 192 }	7	1116
Grain-tally.....	A. K. Munson.....	165, 021	June 29, 1875	1129	365	7	927
Grain-tester.....	W. J. Gard and N. Staughton.....	170, 545	Nov. 30, 1875	1214	382	7	415
Grain-thresher and separator.....	D. Lippy.....	160, 689	Mar. 9, 1875	394	134	7	460
Grain, Unloading and dumping.....	J. B. Whitcomb.....	169, 984	Mar. 16, 1875	682	224	7	639
Grain-vessel, Marine.....	W. and J. Inglis.....	162, 074	Apr. 13, 1875	430	143	7	956
Graining plate frame.....	R. A. Adams.....	170, 695	Dec. 7, 1875	39	11	7	111
Graining-roller.....	W. H. Barnes.....	165, 708	July 20, 1875	570	174	7	957
Graining-roller.....	A. J. Taplin.....	164, 056	June 1, 1875	191	69	7	1088
Graining wood, Process of.....	G. F. Mehling.....	164, 858	June 22, 1875	968	.....	7	362
Grape and flower picker.....	L. B. Snow.....	160, 360	Mar. 2, 1875	91	34	7	755
Grapple.....	G. Conkling.....	162, 891	May 4, 1875	61	20	7	63
Grass and bristles, Machine for combing and cutting.....	J. Pickering.....	158, 650	Jan. 12, 1875	281	94	7	794
Grass-seed cleaner, Blue.....	J. W. Wilcox and R. L. DeJarnatt.....	163, 037	May 11, 1875	301	97	7	160
Grate.....	J. E. Baum.....	165, 974	July 27, 1875	840	{ 258 } { 259 }	7	746
Grate.....	J. A. Buekwalter.....	169, 411	Nov. 2, 1875	84	26	7	440
Grate.....	J. Byrington.....	160, 813	Mar. 16, 1875	537	174	7	566
Grate.....	J. E. Crea.....	168, 325	Oct. 5, 1875	10	3	7	983
Grate.....	M. G. Fagan.....	170, 835	Dec. 7, 1875	161	54	7	444
Grate.....	C. C. Gates.....	164, 161	June 8, 1875	305	104	7	791
Grate.....	J. Halbermehl.....	167, 609	Sept. 14, 1875	217	68	7	188
Grate.....	W. A. Holbrook.....	163, 012	May 11, 1875	275	89	7	72
Grate.....	S. Kepner.....	159, 271	Feb. 2, 1875	27	9	7	74
Grate.....	J. B. Larkin.....	158, 749	Jan. 12, 1875	341	116	7	886
Grate.....	A. Richmond.....	158, 741	Jan. 12, 1875	358	122	7	75
Grate.....	J. Schroeffel, jr.....	170, 308	Nov. 23, 1875	979	307	7	199
Grate.....	J. D. Stichter.....	158, 750	Jan. 12, 1875	363	121	7	14
Grate.....	J. D. Stichter.....	159, 361	Feb. 2, 1875	109	32	7	398
Grate.....	E. Stimson.....	158, 393	Jan. 5, 1875	36	13	7	285
Grate.....	J. H. Swartout and A. L. Whedon.....	160, 553	Mar. 9, 1875	279	95	7	927
Grate.....	J. Harrington and J. Forrester.....	165, 279	July 6, 1875	121	37	7	281
Grate.....	J. C. Weightman.....	159, 871	Feb. 16, 1875	609	202	7	935
Grate.....	G. Wellhouse.....	170, 612	Nov. 30, 1875	1279	403	7	34
Grate.....	J. W. Williams.....	158, 556	Jan. 5, 1875	178	61, 62	7	634
Grate and stove front.....	J. Old.....	168, 771	Oct. 11, 1875	445	141	7	369
Grate-bar.....	T. Cain.....	167, 153	Aug. 31, 1875	974	303	7	619
Grate-bar.....	W. C. Childs.....	168, 615	Oct. 11, 1875	297	96	7	970
Grate-bar.....	W. C. Childs.....	170, 817	Dec. 7, 1875	147	49	7	541
Grate-bar.....	A. W. Cram.....	161, 485	Mar. 30, 1875	1180	379	7	590
Grate-bar.....	A. W. Cram.....	161, 758	Apr. 6, 1875	144	50	7	350
Grate-bar.....	W. Farris.....	167, 087	Aug. 24, 1875	888	277	7	786
Grate-bar.....	T. Murphy.....	169, 655	Nov. 9, 1875	333	{ 105 } { 106 }	7	621
Grate-bar.....	G. D. Putnam.....	161, 899	Apr. 13, 1875	285	96	7	355
Grate-bar.....	H. Ryder.....	167, 126	Aug. 24, 1875	922	287	7	430
Grate-bar.....	E. N. Schmitz.....	167, 571	Sept. 7, 1875	169	53	7	1024
Grate-bar.....	J. A. Sinclair.....	164, 401	June 15, 1875	516	170	7	623
Grate-bar.....	G. W. Todd.....	168, 684	Oct. 11, 1875	356	116	7	331
Grate-bar, Furnace.....	S. Van Syckel.....	166, 951	Aug. 24, 1875	754	233	7	946
Grate-bar, Furnace.....	J. Clark.....	163, 975	June 1, 1875	112	38	7	378
Grate-bar, Furnace.....	E. M. Erdman.....	167, 230	Aug. 31, 1875	1039	323	7	76
Grate-bar, Hollow.....	C. Toope.....	158, 757	Jan. 12, 1875	370	126	7	1073
Grate, Fire-place.....	W. L. Gregg.....	164, 729	June 22, 1875	850	276	7	412
Grate, Fire-place.....	J. Bowden.....	167, 426	Sept. 7, 1875	45	13	7	982
Grate, Fire-place.....	G. W. Cummings.....	164, 150	June 8, 1875	295	101	7	

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Grate for cooking-ranges, Drop	J. E. Bann	164,670	June 22, 1875	792	260	7	1065
Grate for generating gas for fuel	Z. S. Durfee	167,078	Aug. 24, 1875	875	273	8	348
Grate for ranges and stoves	W. L. McDowell	162,487	Apr. 27, 1875	860	276	7	708
Grate for steam-generators, Furnace	A. Winton	168,075	Sept. 21, 1875	657	209	8	515
Grate-iron	H. M. Creamer	158,472	Jan. 5, 1875	108	36	7	24
Grate, Furnace	H. W. Granger	169,250	Oct. 26, 1875	914	296	8	716
Grate, Furnace	C. H. Harrison	162,064	Apr. 13, 1875	423	141	7	638
Grate, Furnace	C. Knoblauch	159,186	Jan. 26, 1875	817	268	7	158
Grate, Furnace	J. B. Larkin	170,571	Nov. 30, 1875	1236	390	8	930
Grate, Furnace	S. J. La Rue	165,740	July 20, 1875	598	184	8	116
Grate, Furnace	O. B. P. Little and P. J. Heuber	166,391	Aug. 3, 1875	193	58	8	226
Grate, Furnace	G. L. Moore	165,943	July 27, 1875	813	249	8	156
Grate, Furnace	J. Old	168,770	Oct. 11, 1875	433	141	8	634
Grate, Furnace	W. Tinkham	166,487	Aug. 10, 1875	304	91	8	249
Grate, Heating-stove	C. G. Marshall	159,693	Feb. 9, 1875	427	143	7	251
Grate, Oyster-range	C. H. Carling	166,965	Aug. 24, 1875	771	238	8	333
Grate, Parlor	G. W. Walker	160,836	Mar. 16, 1875	569	185	7	444
Grate, Shaking	J. Mahony	169,272	Mar. 2, 1875	16	7	7	351
Grate, Shutter	F. S. Bissell	164,418	June 15, 1875	565	183	7	1026
Grate, Stove	N. A. Boynton	171,091	Dec. 14, 1875	410	137	8	1013
Grate, Stove	J. W. Collins	165,983	July 27, 1875	850	262	8	161
Grate, Stove	W. B. Hosford	169,544	Nov. 2, 1875	204	68	8	762
Grate, Stove	A. N. Housse	161,790	Apr. 6, 1875	171	59	7	594
Grate, Stove	G. R. Moore	171,483	Dec. 28, 1875	820	269	8	1083
Grate, Stove	J. Moore, jr.	165,020	June 29, 1875	1129	364	7	1116
Grate, Stove	H. P. Ohm	163,800	May 25, 1875	1020	323	7	912
Grate, Stove	J. D. Slichter	159,360	Feb. 2, 1875	108	37	7	199
Grate, Stove	W. Walsh	160,370	Mar. 2, 1875	99	36	7	363
Grate, Stove	J. Young	162,136	Apr. 13, 1875	489	162	7	646
Grate, Stove, furnace, &c	W. Stout	161,911	Apr. 13, 1875	294	99	7	622
Grater, Culinary	E. Woodward	165,143	June 29, 1875	1238	398	7	1132
Grave, coffin, and monument, Combined	L. M. Speers and A. Clark	165,267	July 6, 1875	113	34	8	24
Grave-cover	R. H. Sipes	165,622	July 13, 1875	482	146	8	83
Grave-cover and monument	R. H. Sipes	160,622	Mar. 9, 1875	339	114	7	406
Graves, Dumping device for filling	J. W. Vannice	170,649	Nov. 30, 1875	1312	414	8	940
Gridiron	J. H. Mitchell	158,858	Jan. 19, 1875	486	163	7	107
Grinding and amalgamating pan	C. Cummings	168,621	Oct. 11, 1875	302	98	8	615
Grinding-apparatus	C. Van Haageu	159,723	Feb. 9, 1875	453	151	7	255
Grinding-machine	E. Morris	164,583	June 15, 1875	704	229	7	1045
Grinding-machine	W. J. Reagan	162,687	Apr. 27, 1875	1039	332	7	731
Grinding-machine, Tool	M. L. Mowrer	169,829	Nov. 9, 1875	512	161	8	898
Grinding-mill	G. Sclsr	167,573	Sept. 7, 1875	170	54	8	430
Grinding-wheel	J. W. and I. S. Hyatt	165,234	July 6, 1875	84	29	8	20
Grinding wheel	H. M. Putnam and W. Esty	164,692	June 23, 1875	814	266	7	1063
Grindstone-frame	G. A. Whitney	168,694	Oct. 11, 1875	363	119	8	624
Grindstones, Mold for forming artificial	G. Hart	167,527	Sept. 7, 1875	132	40	8	431
Grist-alarm	N. Bruner	168,965	Oct. 19, 1875	621	206	8	669
Grist-alarm	D. T. Williams	170,614	Nov. 30, 1875	1251	404	8	936
Grauo-distributor	J. T. Horton	171,285	Dec. 21, 1875	626	205	8	1049
Guard:							
See Chimney-guard.	Key-hole guard.						
Harness-check guard.	Loom-shuttle guard.						
Harvester-guard.	Wearing-machine thread-guard.						
Harvester-seat guard.							
Hatch-way-guard.							
Guide-roller for endless aprons	J. Parr	169,573	Nov. 2, 1875	233	76	8	766
Gun-barrel covering	H. A. Silver	166,642	Aug. 16, 1875	437	155	8	269
Gun barrel, Shot	J. B. Tubbs	161,300	Mar. 23, 1875	986	322	7	508
Gun-carriage	M. M. Franzini	170,840	Dec. 7, 1875	165	56	8	972
Gun-carriage	N. E. Johnson	160,100	Feb. 23, 1875	835	274	7	319
Gun carriage, Field	W. B. Franklin and C. B. Richards	161,219	Mar. 23, 1875	906	296	7	498
Gun-cleaner	W. H. Mansir	158,851	Jan. 19, 1875	480	161	7	106
Gun dart, Air	H. M. Quackenbush	159,354	Feb. 2, 1875	103	36	7	198
Gun feed-case, Machine	D. C. Farrington	163,922	June 1, 1875	69	23	7	940
Gun-lock	L. L. Hepburn	162,473	Apr. 27, 1875	848	272	7	707
Gun-lock	J. O. Scott	168,188	Sept. 28, 1875	778	247	8	539
Gun, Machine	D. C. Farrington	165,318	July 6, 1875	161	48, 49	8	30
Gun, Machine	W. B. Farwell	169,686	Nov. 9, 1875	364	115	8	700
Gun-sight	W. M. Treadway	168,941	Oct. 19, 1875	600	199	8	666
Gun-stocks, Machine for checking	J. A. Blake	165,404	July 13, 1875	275	81	8	53
Gun-stocks, Recoil-check for	W. D. Miller	169,465	Nov. 2, 1875	131	42	8	753
Gun wad, Rifled	G. Schalek	169,734	Nov. 9, 1875	413	131	8	796
Guns, Adjustable rest for the arm while firing	R. T. Hare	167,169	Aug. 31, 1875	988	307	8	371
Guns, Reamer for shot	F. A. Deland	161,214	Mar. 23, 1875	896	294	7	497
Gunpowder, Manufacture of	H. Courteille	167,503	Sept. 7, 1875	105	38	8	421
Gunpowder, Manufacture of	E. Greece	160,653	Feb. 23, 1875	796	267	7	313
Gymnastic apparatus	H. C. Carley	159,301	Feb. 2, 1875	52	19	7	192
H.							
Hair-cloth, Filling-hook for weaving	J. Turpie	164,949	June 29, 1875	1072	345	7	1168
Hair-crimping pin	M. Gardner	168,388	Oct. 5, 1875	61	22	8	573
Hair-curling device	C. W. Baxter	162,603	Apr. 27, 1875	957	307	7	721
Hair-cutter's gage	A. G. Wilkins	159,004	Jan. 19, 1875	629	208	7	125
Hair-dressing machine	O. M. Brown and W. R. Vaughan	168,964	Oct. 19, 1875	630	206	8	669
Hair-heading machine	E. Hough	170,951	Dec. 14, 1875	251	85	8	995
Hair-holder	E. J. Inesly	159,578	Feb. 9, 1875	326	107	7	237
Hair-picker	C. A. Teal	166,824	Aug. 17, 1875	618	191	8	304
Hair-switch	A. R. Smith	170,497	Nov. 30, 1875	1170	360	8	921
Halls, Means for preventing reverberations in public	W. B. Carlock	165,916	July 27, 1875	782	240	8	153
Halter and bridle	J. McKibben	168,841	Oct. 19, 1875	508	167	8	653

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Halter-clamp	F. F. Drinkhouse	166, 082	July 27, 1875	943	291	8	174
Halter-fastening	J. Thornton	170, 207	Nov. 23, 1875	893	278	8	874
Halter-Rope	L. C. Chase	166, 683	Aug. 17, 1875	493	150	8	285
Halter-strap holder or fastener	A. and S. L. Hagny	164, 551	June 15, 1875	678	230	7	1041
Hame	A. F. Davis	170, 530	Nov. 30, 1875	1198	378	8	925
Hame	J. G. Eberhard	163, 368	May 18, 1875	623	199	7	852
Hame	W. A. Henson	164, 085	June 8, 1875	241	83	7	875
Hame	G. J. Letchworth	170, 177	Nov. 23, 1875	866	270	8	970
Hame	J. D. L. Nunnelee and W. H. Kirksey	165, 249	July 6, 1875	99	29	8	22
Hame	S. Shultz	168, 793	Oct. 11, 1875	474	148	8	637
Hame	J. Thornton	170, 208	Nov. 23, 1875	893	279	8	874
Hame	J. Thornton	170, 209	Nov. 23, 1875	893	279	8	874
Hame and collar, Combined	T. C. Love	168, 756	Oct. 11, 1875	422	138	8	632
Hame and horse-collar, Combined	E. Stroud	163, 950	June 1, 1875	93	32	7	944
Hame attachment	J. H. Myers and S. Spicer	158, 860	Jan. 19, 1875	488	164	7	107
Hame-coupling	J. H. Carlisle	170, 521	Nov. 30, 1875	1190	375	8	924
Hame-fastener	O. M. Coburn	158, 628	Jan. 12, 1875	259	88	7	60
Hame-fastener	A. J. Park	169, 572	Nov. 2, 1875	213	76	8	766
Hame-fastener	S. Spicer	166, 902	Aug. 17, 1875	695	215	8	314
Hame-fastener	H. J. Wilson	164, 893	June 22, 1875	1002	323	7	1092
Hame-fastening	W. H. Ward	162, 980	May 4, 1875	230	74	7	777
Hame, Harness	J. P. Clopton	167, 305	Aug. 31, 1875	1101	346	8	288
Hame, Harness	A. H. Cresap, jr	165, 067	June 29, 1875	1171	377	7	1122
Hame-top	E. G. Latta	164, 096	June 8, 1875	250	86	8	976
Hame-top	E. G. Latta	170, 176	Nov. 23, 1875	865	270	8	870
Hames, Attachment of belts to	M. F. Boland	158, 463	Jan. 5, 1875	97	33	7	23
Hammer, Blacksmith's forging	A. J. Judson	164, 180	June 8, 1875	324	110	7	986
Hammer, Bush	C. Littlefield	164, 193	June 8, 1875	332	113	7	987
Hammer, Drop	H. Hammond	161, 954	Apr. 13, 1875	332	111	7	627
Hammer, Drop	C. Lusted	170, 268	Dec. 7, 1875	188	64	8	976
Hammer, Drop	F. A. Pratt	164, 392	June 15, 1875	536	176	7	1023
Hammer, Drop	N. C. Stiles	160, 483	Mar. 2, 1875	202	70	7	378
Hammer-eyes, Die for forming	J. Pinkerton	164, 326	June 8, 1875	460	152	7	1003
Hammer, Steam	S. D. Wilson	168, 439	Oct. 5, 1875	103	36	8	580
Hammers, Lifting device for drop	C. O. Wilder	171, 458	Dec. 21, 1875	777	257	8	1069
Hand-rest	E. F. French	159, 254	Feb. 2, 1875	11	4	7	186
Hand-rest, Accountant's	W. D. Sloan	165, 885	July 20, 1875	743	227	8	135
Handeulf	G. P. Houston	169, 443	Nov. 2, 1875	111	35	8	750
Handkerchief-holder	H. G. Mackinney	165, 940	July 27, 1875	809	248	8	156
Handle:							
See Anger-handle.	Saw-handle.						
Broom-handle.	Shawl or carriage strap handle.						
Brush-handle.							
Casket-handle.	Shawl-strap handle.						
Coffin-handle.	Stove-door handle.						
Cutlery-handle.	Tea-kettle handle.						
Drag-rake handle.	Tea-pot handle.						
Lantern-handle.	Tool-handle.						
Milk-can handle.	Umbrella-handle.						
Package-strap handle.	Valise-handle.						
Peg-cutter handle.	Vessel-handle.						
Pen-handle.	Wash-boiler handle.						
Sad-iron handle.							
Hanger:							
See Broom hanger.	Shaft-hanger.						
Door-hanger.	Steam and gas pipe hanger.						
Eave-trough hanger.							
Picture-hanger.	Tobacco-hanger.						
Picture-frame hanger.							
Hanging or portable fountain	F. I. Shafer	171, 437	Dec. 21, 1875	759	250	8	1067
Harmonicon, Key-board	G. Rimbaech	168, 847	Oct. 19, 1875	514	168	8	653
Harness	W. H. B. Diehl	168, 625	Oct. 11, 1875	309	160	8	616
Harness	G. W. Hoover	159, 927	Feb. 16, 1875	661	218	7	288
Harness-check guard	F. Howard	167, 836	Sept. 21, 1875	434	138	8	483
Harness-clip	F. Conway	160, 751	Mar. 16, 1875	477	156	7	432
Harness-cockeye	J. J. Schneider and A. S. Meek	168, 054	Sept. 21, 1875	628	201	8	512
Harness, Elastic back-band for	J. W. Hollis	169, 994	Nov. 16, 1875	669	210	8	837
Harness, Fire-engine, &c	E. O. Sullivan	171, 190	Dec. 14, 1875	507	167	8	1025
Harness-hanging frame	X. Whiting	159, 730	Feb. 9, 1875	459	153	7	256
Harness-knife	A. Frierick	163, 062	May 11, 1875	324	104	7	797
Harness-mounting	C. M. Theberath	167, 040	Aug. 24, 1875	837	261	8	343
Harness-mounting with leather.	Process of covering.	J. Feder	Oct. 26, 1875	824	267	8	704
Harness-pad	R. M. Selleck	171, 324	Dec. 21, 1875	657	216	8	1052
Harness-pad press	W. Dippert	168, 381	Oct. 5, 1875	55	20	8	572
Harness-rosette	S. S. Sargeant	170, 021	Nov. 16, 1875	693	218	8	840
Harness-snap	C. E. Haynes	160, 266	Mar. 2, 1875	10	5	7	350
Harness-snap	L. Humbert	161, 338	Mar. 30, 1875	1038	338	7	523
Harness-snap	E. Kempshall	166, 783	Aug. 17, 1875	583	179	8	298
Harness-tree	W. P. Wolfington	158, 817	Jan. 19, 1875	450	150	7	102
Harrow	J. S. Bezell	166, 061	July 27, 1875	919	284	8	171
Harrow	C. Brodrick	164, 713	June 22, 1875	836	272	7	1071
Harrow	C. Buswell	163, 736	May 25, 1875	967	306	7	994
Harrow	J. Chamberlain and H. H. Seiple	165, 790	July 20, 1875	647	199	8	122
Harrow	A. W. Davis	165, 480	July 13, 1875	352	103	8	63
Harrow	L. Francisco	166, 763	Aug. 17, 1875	565	174	8	296
Harrow	W. Frank	169, 798	Nov. 9, 1875	485	152	8	805
Harrow	J. B. Greene	167, 419	Sept. 7, 1875	61	19	8	411
Harrow	I. N. Harbaugh	167, 096	Sept. 21, 1875	488	154	8	495
Harrow	I. W. Hutchin.	166, 628	Aug. 10, 1875	336	103	8	254
Harrow	S. G. Jones	165, 736	July 20, 1875	595	182	8	115

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Harrow	J. Mastern	165, 168	June 29, 1875	1308	389	7	1127
Harrow	W. T. McGehee	160, 929	Mar. 16, 1875	633	207	7	453
Harrow	L. H. McGinnis	168, 762	Oct. 11, 1875	427	139	8	633
Harrow	J. McPherson	162, 295	Apr. 20, 1875	651	213	7	675
Harrow	H. Meili	170, 637	Nov. 30, 1875	1304	411	8	939
Harrow	W. H. Parlin	165, 753	July 29, 1875	609	188	8	117
Harrow	G. H. Pounder	162, 306	Apr. 20, 1875	660	216	7	676
Harrow	J. W. Price	167, 932	Sept. 21, 1875	513	164	8	495
Harrow	J. Rieth	164, 484	June 15, 1875	620	201	7	1033
Harrow	A. Ross	164, 042	June 1, 1875	176	63	7	955
Harrow	W. S. Rowland	167, 359	Aug. 31, 1875	1149	361	8	394
Harrow	C. W. Strombeck	162, 205	Apr. 20, 1875	569	187	7	664
Harrow	L. Study	166, 156	July 27, 1875	1016	313	8	185
Harrow	A. H. Whiteside	163, 428	May 18, 1875	671	215	7	858
Harrow	J. C. Williams	168, 311	Sept. 28, 1875	885	282	8	554
Harrow and cultivator, Combined	J. W. Dilley	167, 879	Sept. 21, 1875	474	150	8	489
Harrow and cultivator, Combined	W. McCray	167, 002	Aug. 24, 1875	807	251	8	329
Harrow and planter	B. Butler	159, 073	Jan. 26, 1875	714	{ 235 } { 236 }	7	144
Harrow and roller	A. M. Strattan	161, 838	Apr. 6, 1875	229	74	7	600
Harrow and roller, Combined	W. R. Downing	159, 163	Jan. 26, 1875	791	260	7	135
Harrow and sower	R. H. Hodgson	166, 381	Aug. 3, 1875	183	55	8	224
Harrow, Combined revolving and drag	J. T. Henderson	158, 374	Jan. 5, 1875	20	7	7	11
Harrow, Convertible revolving	B. G. Devoe and G. R. Mease	161, 013	Dec. 21, 1875	562	185	8	1040
Harrow, Corn	J. McCormick	164, 013	June 1, 1875	146	52	7	931
Harrow, Disk	S. G. Ransall	163, 527	May 18, 1875	772	241	7	871
Harrow-handle, Adjustable	S. D. Riegel	166, 299	Aug. 3, 1875	104	33	8	214
Harrow-hook	J. D. Tracy and J. P. Platt	171, 197	Dec. 14, 1875	522	172	8	1027
Harrow, Revolving	J. Phillips	161, 057	Mar. 23, 1875	753	248	7	478
Harrow, Riding	E. E. Leach	159, 690	Feb. 9, 1875	424	142	7	251
Harrow, Rotary	W. G. Read	165, 948	July 27, 1875	818	251	8	157
Harrow, Sulky	J. Kimball	160, 335	Mar. 2, 1875	70	25	7	359
Harrow, Sulky	D. F. Shaw	166, 033	July 27, 1875	895	276	8	168
Harrow-teeth	H. M. Williams	169, 324	Oct. 26, 1875	976	316	8	725
Harrow, Wheel	F. Bramer	171, 092	Dec. 14, 1875	411	137	8	1013
Harrow, Wheel	T. A. Cole	169, 623	Nov. 9, 1875	298	96	8	782
Harrow, Wheel	J. S. Snively	167, 703	Sept. 14, 1875	296	94	8	455
Harrow, Cotton-planting attachment to	S. H. Wade	160, 975	Mar. 16, 1875	673	229	7	458
Harvester	T. P. Benton	158, 825	Jan. 19, 1875	457	153	7	102
Harvester	H. H. Bridenthall	164, 799	June 22, 1875	910	{ 295 } { 296 }	7	1081
Harvester	J. O. Brown	170, 228	Nov. 23, 1875	910	284	8	876
Harvester	J. O. Brown	170, 229	Nov. 23, 1875	912	285	8	876
Harvester	J. E. Buxton	168, 609	Oct. 11, 1875	290	94, 95	8	613
Harvester	J. M. Chritton	169, 088	Oct. 26, 1875	763	247	8	695
Harvester	G. H. Clark	158, 908	Jan. 19, 1875	537	179	7	113
Harvester	A. J. Cook	167, 387	Sept. 7, 1875	6	2	8	407
Harvester	J. P. Delseaux	170, 438	Nov. 30, 1875	1115	351	8	914
Harvester	C. Deuton	168, 326	Oct. 5, 1875	10	4	8	566
Harvester	J. H. Elward	161, 395	Mar. 30, 1875	1094	355	7	530
Harvester	J. H. Elward	161, 396	Mar. 30, 1875	1696	356	7	530
Harvester	J. H. Elward	165, 316	July 6, 1875	157	47, 48	8	30
Harvester	J. S. Fowler	167, 519	Sept. 7, 1875	124	38	8	423
Harvester	A. Gerdon, J. H. Myers, G. Telford, and M. G. Hubbard	166, 605	Aug. 10, 1875	403	124	8	264
Harvester	M. L. Gorham	160, 895	Mar. 16, 1875	602	{ 196 } { 197 }	7	449
Harvester	B. Hlingworth	162, 927	May 4, 1875	172	57, 58	7	770
Harvester	J. H. Kirton	162, 929	May 4, 1875	175	58, 59	7	770
Harvester	C. W. Levalley	161, 132	Mar. 23, 1875	828	271	7	488
Harvester	C. W. Levalley	169, 275	Oct. 26, 1875	927	301	8	718
Harvester	C. Lidren	168, 653	Oct. 11, 1875	333	108	8	619
Harvester	S. S. Loudenslager	161, 530	Mar. 30, 1875	1224	394	7	547
Harvester	J. P. Manny	166, 017	July 27, 1875	681	272	8	166
Harvester	J. P. Manny	166, 018	July 27, 1875	882	{ 272 } { 273 }	8	166
Harvester	L. J. McCormick	170, 388	Nov. 23, 1875	1053	{ 330 } { 331 }	8	897
Harvester	R. H. McCormick	168, 271	Sept. 28, 1875	831	271	8	549
Harvester	C. K. Myers	159, 694	Feb. 9, 1875	346	115	7	240
Harvester	A. Palmer	168, 578	Oct. 11, 1875	262	86	8	609
Harvester	H. Porter	162, 858	May 4, 1875	112	36, 37	7	762
Harvester	J. M. Rosebrook	165, 362	July 6, 1875	205	62	8	37
Harvester	C. D. Shrader	160, 845	Mar. 16, 1875	561	182	7	443
Harvester	C. S. Stickle, W. P. Parker, and J. D. Moore	163, 275	May 11, 1875	517	168	7	822
Harvester	S. S. Stultz	164, 055	June 1, 1875	180	68	7	956
Harvester	J. B. Webster, W. A. Dorr, and M. McClenathan	165, 280	July 6, 1875	122	38	8	26
Harvester	C. Wheeler, jr	165, 460	July 13, 1875	330	97, 98	8	61
Harvester	F. F. White	163, 123	May 11, 1875	374	122	7	804
Harvester	W. M. Whitley	169, 874	Nov. 9, 1875	556	174	8	814
Harvester	J. H. Whitney	170, 140	Nov. 16, 1875	895	254	8	855
Harvester	W. A. Wood	159, 879	Feb. 16, 1875	618	201	7	282
Harvester and thrasher, Broom-corn	R. C. Hinton	158, 638	Jan. 12, 1875	269	91	7	62
Harvester, Bean	W. C. Barber and G. Amis	162, 139	Apr. 20, 1875	510	168	7	657
Harvester, Clover	C. R. Hardy	158, 795	Jan. 19, 1875	430	144	7	100
Harvester, Corn	E. J. Blood and A. D. Hager	169, 946	Nov. 16, 1875	632	196	8	832
Harvester, Corn	W. T. Orr	161, 149	Mar. 23, 1875	843	275	7	459
Harvester, Corn	C. R. Reed	166, 633	Aug. 10, 1875	428	{ 132 } { 133 }	8	268
Harvester, Corn	G. A. Swartz	164, 111	June 8, 1875	263	90	7	977
Harvester, Corn	J. Townsend and J. N. Parr	170, 315	Nov. 23, 1875	956	309	8	887
Harvester, Corn	W. N. West	159, 990	Feb. 16, 1875	729	239	7	295
Harvester, Corn and cane	T. Merrell	165, 171	July 6, 1875	29	8, 9	8	12

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Harvester-cutter	T. R. Arnold	164, 958	June 29, 1875	1080	347	7	1109
Harvester-cutter	E. J. Blood and A. D. Hager	158, 462	Jan. 5, 1875	97	33	7	21
Harvester-cutter	R. Dutton	163, 431	June 15, 1875	580	188	7	1028
Harvester-cutter	P. Howell	170, 565	Nov. 30, 1875	1232	388	8	930
Harvester-cutter	G. J. E., and M. Vanfossen	161, 078	Mar. 23, 1875	773	255	7	481
Harvester-dropper	J. Bah'uth	167, 149	Aug. 31, 1875	908	301	8	369
Harvester-dropper	T. McDonough	165, 454	July 13, 1875	326	95	8	60
Harvester-dropper	J. C. Ratliff and J. W. Towle	168, 670	Oct. 11, 1875	347	113	8	622
Harvester-dropper	C. Wheeler, jr	159, 875	Feb. 16, 1875	613	261	7	281
Harvester-finger-bar	V. N. Collins	161, 676	June 22, 1875	708	261	7	1066
Harvester-frame journal	W. A. Wood	158, 559	Jan. 5, 1875	180	62, 63	7	34
Harvester-gearing	J. F. Seiberling	168, 930	Oct. 19, 1875	592	195	8	664
Harvester, Grain-binding	S. D. Carpenter	158, 466	Jan. 5, 1875	100	34	7	23
Harvester-grain-wheel arm	C. H. Salzman	169, 924	Nov. 16, 1875	614	190	8	829
Harvester-guards, Die for swaging	J. H. Seiberling	158, 810	Jan. 19, 1875	443	148	7	101
Harvester, Hemp	W. F. Cochran	158, 909	Jan. 19, 1875	538	179	7	113
Harvester, Journal-bearing	E. F. Herrington	159, 758	Feb. 16, 1875	505	169	7	267
Harvester-knife head	G. W. Harrison	169, 696	Nov. 9, 1875	378	119	8	792
Harvester-pitman-connection	A. Rea	168, 415	Oct. 5, 1875	86	30	8	577
Harvester-rake	J. F. Appleby	162, 002	Apr. 13, 1875	368	124	7	632
Harvester-rake	J. Barnes	165, 959	Oct. 19, 1875	615	204	8	668
Harvester-rake	H. H. Bidenthal, jr	170, 433	Nov. 30, 1875	1110	349	8	913
Harvester-rake	J. R. Buckwalter	159, 387	Feb. 2, 1875	429	45	7	202
Harvester-rake	S. F. Cranston	170, 435	Nov. 30, 1875	1112	350	8	913
Harvester-rake	F. H. Felt	159, 008	Feb. 16, 1875	553	184	7	273
Harvester-rake	M. F. Gibbs	161, 220	Mar. 23, 1875	908	297	7	499
Harvester-rake	P. P. Hodges	170, 088	Nov. 16, 1875	757	239	8	849
Harvester-rake	J. H. Kirtan	159, 936	Feb. 16, 1875	669	222	7	289
Harvester-rake	J. S. Marsh	164, 426	June 29, 1875	1052	349	7	1106
Harvester-rake	J. P. Monnett	161, 540	Mar. 30, 1875	1234	297	7	548
Harvester-rake	D. S. Morgan and T. Motley	159, 276	Feb. 2, 1875	30	10, 11	7	188
Harvester-rake	J. H. Myers	162, 405	Apr. 20, 1875	700	247	7	628
Harvester-rake	A. Palmer	161, 981	Apr. 13, 1875	353	118	7	689
Harvester-rake	M. Ray	168, 526	Oct. 5, 1875	187	61	8	591
Harvester-rake	C. Wheeler, jr.	163, 708	May 25, 1875	939	298	7	901
Harvester-rake	W. N. Whiteley	161, 723	Apr. 6, 1875	112	40, 41	7	585
Harvester-rake	W. N. Whiteley	170, 613	Nov. 30, 1875	1280	404	8	935
Harvester-rake	J. H. Whitney	163, 831	May 25, 1875	1043	331	7	915
Harvester-rake	J. H. Whitney	169, 936	Nov. 16, 1875	623	193	8	811
Harvester-rake	W. A. Wood	163, 127	May 11, 1875	379	123	7	804
Harvester-rake, Rotating sliding	R. Brown and A. Hoover	169, 651	Nov. 16, 1875	635	197	8	832
Harvester-reel	J. F. Black	161, 795	June 22, 1875	904	294	7	1080
Harvester-reel	D. S. Fulton	159, 316	Feb. 2, 1875	74	25	7	194
Harvester-reel	G. G. Read	160, 061	Feb. 23, 1875	806	264	7	314
Harvester-reel	J. F. Seiberling	169, 048	Oct. 19, 1875	702	232	8	679
Harvester-reel	F. Wyman	162, 329	Apr. 20, 1875	682	222	7	678
Harvester-reel and rake combined	A. Stoler	171, 188	Dec. 14, 1875	503	166	8	1025
Harvester-reel rake	R. C. Taylor	170, 971	Dec. 14, 1875	305	101	8	998
Harvester-safety-seat	W. E. Mattison	165, 424	July 13, 1875	292	87	8	55
Harvester-seat	C. Wheeler, jr., and H. J. Case	163, 287	May 11, 1875	531	172	7	824
Harvester-seat guard	E. Hale, jr	170, 554	Nov. 30, 1875	1222	384	8	928
Harvester-sheaf-dropper	S. G. King	160, 270	Mar. 2, 1875	14	6	7	351
Harvester-sickle-head	M. M. Shellberger	159, 970	Feb. 16, 1875	699	233	7	293
Harvester sway-bar guide	W. R. Baker	176, 004	Dec. 7, 1875	136	45	8	969
Harvester-wheel	M. L. and J. M. Kellar	161, 966	Apr. 13, 1875	342	115	7	628
Harvester-wheel	G. D. Rowell	169, 546	Mar. 9, 1875	274	93	7	397
Harvester, &c., Wheel	B. G. Turner	158, 758	Jan. 12, 1875	370	126	7	76
Harvesters, Shock-carriage attachment to	J. O. Brown	170, 230	Nov. 23, 1875	913	284	8	877
Harvesting-machine	J. O. Brown	170, 231	Nov. 23, 1875	914	284	8	877
Harvesting-machine	W. M. and G. H. Howe	171, 021	Dec. 14, 1875	345	115	8	1004
Harvesting-machines, &c., Connecting gear-wheels with shafts for use in	J. M. Rosebrook	159, 241	Jan. 26, 1875	848	277	7	163
Harvesting-machines, Pitman-holder for	C. Wheeler, jr.	162, 328	Apr. 20, 1875	682	222	7	678
Hasp	F. W. Smith and F. Egge	160, 723	Mar. 9, 1875	431	143	7	419
Hasp-fastening	W. McConway	162, 486	Apr. 27, 1875	859	276	7	708
Hasp-lock	J. Lachler	166, 014	July 27, 1875	878	271	8	165
Hat	J. Case	162, 530	Apr. 27, 1875	896	286	7	713
Hat	A. A. Richardson	164, 036	June 1, 1875	170	60	7	954
Hat	C. Sinclair	167, 029	Aug. 24, 1875	829	258	8	342
Hat and cap	P. Goldmann	160, 666	Mar. 9, 1875	376	127	7	412
Hat and cap	M. Isidor and F. Hein	165, 100	June 29, 1875	1202	386	7	1126
Hat and cap	M. Isidor and F. Hein	167, 538	Sept. 7, 1875	141	43	8	426
Hat and coat hook	C. Schoenfeld	166, 815	Aug. 17, 1875	612	189	8	302
Hat and coat hook	C. H. Winton	166, 576	Aug. 10, 1875	376	116	8	260
Hat and fur box	J. C. Budd	167, 825	Sept. 21, 1875	554	178	8	501
Hat-block	F. R. Goings	159, 088	Jan. 26, 1875	727	249	7	146
Hat-blocking-machine	E. C. Fales	167, 086	Aug. 24, 1875	887	277	8	350
Hat-bodies, Machine for forming	W. H. Croke	167, 746	Sept. 14, 1875	333	107	8	460
Hat-bodies, Machine for forming	J. Gill	164, 544	June 15, 1875	670	217	7	1040
Hat-bodies, Machine for stretching	K. Eickemeyer	168, 731	Oct. 11, 1875	399	130	8	629
Hat-bodies, Machine for stretching	J. G. Meeker	168, 372	Sept. 28, 1875	352	271	8	549
Hat-bodies, Machine for stretching	J. E. Wells	169, 663	Nov. 9, 1875	344	108	8	787
Hat-bodies, Machine for stretching	G. Yale	165, 400	July 6, 1875	247	74	8	44
Hat-bodies, Machine for stretching the tips of	F. C. Taylor	161, 992	Apr. 13, 1875	362	121	7	631
Hat-box	G. L. Jaeger	160, 680	Mar. 9, 1875	387	131	7	413
Hat-brims, Curling	A. Freshfield	169, 091	Feb. 23, 1875	823	272	7	318
Hat-brushing-machine	A. S. Joye	162, 300	Apr. 20, 1875	741	242	7	686
Hat-brushing-machine	S. P. Silver and G. H. Swords	167, 945	Sept. 21, 1875	521	167	8	497
Hat-fastening	C. R. Blackwood	163, 913	June 1, 1875	63	21	7	339
Hat-frames, Binding and wiring	R. F. S. Heath	159, 926	Feb. 16, 1875	660	218	7	283
Hat-holder for seats	C. Shaw and B. Yeager	162, 109	Apr. 13, 1875	466	154	7	643

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Hat-pouncing machine.....	R. Eickemeyer.....	159, 912	Feb. 16, 1875	648	215	7	286
Hat-pouncing roll.....	J. Nutt.....	163, 175	Sept. 28, 1875	766	243	7	535
Hat-pressing machine.....	M. A. Cuning.....	167, 506	Sept. 7, 1875	108	34	8	422
Hat, Reversible.....	L. Girbardt.....	159, 916	Feb. 16, 1875	651	216	7	287
Hat shaping and blocking machine.....	R. Eickemeyer.....	167, 083	Aug. 24, 1875	880	275 276	8	349
Hat-stiffening machine.....	G. B. Fuller.....	166, 764	Aug. 17, 1875	566	174	8	296
Hat-stiffening process.....	R. Eickemeyer.....	167, 513	Sept. 7, 1875	115	36	8	323
Hat-stretching machine.....	R. Eickemeyer.....	162, 540	Apr. 27, 1875	905	289	7	714
Hat-stretching machine.....	R. Eickemeyer.....	167, 391	Sept. 7, 1875	11	3	8	478
Hat-ventilator.....	J. B. Dillaway.....	171, 103	Dec. 14, 1875	422	140	8	1014
Hat-ventilator.....	N. I. Rees.....	170, 450	Nov. 30, 1875	1125	354	8	915
Hats, Composition for stiffening and dressing straw.....	E. Torlotin.....	169, 063	Oct. 19, 1875	713		8	681
Hatter's sizing plank.....	M. F. Johnson.....	163, 735	July 20, 1875	594	182	7	115
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Hatchet.....	J. A. Thayer.....	170, 972	Dec. 14, 1875	306	102	9	999
Hatchet-claws, Die for forming.....	J. Palmer.....	163, 399	May 18, 1875	651	208	7	855
Hatchet, Sblingliog.....	H. K. W. Perry.....	169, 836	Nov. 9, 1875	520	162	8	809
Hatchway.....	C. M. Dalsen.....	167, 993	Sept. 21, 1875	559	180	8	569
Hatchway-braco.....	J. Fleming.....	168, 630	Oct. 11, 1875	314	102	8	616
Hatchway-guard.....	J. C. Foster.....	162, 466	Apr. 27, 1875	840	270	7	706
Hatchway-guard.....	J. C. Foster.....	166, 692	Aug. 17, 1875	500	153	8	286
Hatchway-guard.....	W. Muir.....	169, 025	Oct. 19, 1875	679	223 224	8	676
Hatchway safety-guard.....	E. Schleuler.....	162, 195	Apr. 20, 1875	561	184	7	663
Hatchway, Self-closing.....	J. Fensou.....	165, 554	July 13, 1875	416	125	8	74
Hatchway, Self-closing.....	S. Lawrence.....	158, 424	Jan. 5, 1875	62	22	7	18
Hatchway, Self-closing.....	D. Moore.....	163, 509	May 18, 1875	753	239	7	869
Hatchway, Self-closing.....	W. Muir.....	169, 026	Oct. 19, 1875	680	224	8	676
Hay and cotton press.....	W. C. Banks.....	158, 884	Jan. 19, 1875	509	170 171	7	110
Hay and cotton press.....	H. K. Burnett.....	161, 201	Mar. 23, 1875	895	291	7	496
Hay and cotton press.....	B. J. Day.....	160, 579	Mar. 9, 1875	300	102	7	401
Hay and cotton press.....	J. L. De Witt.....	165, 076	June 29, 1875	1179	379	7	1123
Hay and cotton press.....	W. A. Wright.....	159, 736	Feb. 9, 1875	467	156	7	257
Hay and cotton press, Horizontal.....	T. B. Bennett and E. J. Rancier.....	160, 143	Feb. 23, 1875	870	282	7	324
Hay and grain elevator.....	T. Powell.....	162, 307	Apr. 20, 1875	661	216	7	676
Hay and straw press.....	L. Kirk.....	164, 922	June 29, 1875	1047	337	7	1165
Hay-conveyor.....	W. M. Conner and W. I. Rouse.....	163, 461	May 18, 1875	701	224	7	862
Hay, cotton, and wool press.....	W. H. McBurney.....	164, 748	June 22, 1875	865	281 282	7	1075
Hay-derrick.....	H. J. Hay.....	163, 193	May 11, 1875	444	143	7	812
Hay-elevator.....	E. V. R. Gardner.....	161, 114	Mar. 23, 1875	813	266	7	476
Hay-elevator.....	J. Jones.....	162, 389	Apr. 20, 1875	744	242	7	685
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Hay-elevator dog.....	J. R. Fitzhous.....	171, 114	Dec. 14, 1875	431	143	8	1015
Hay-elevators, Adjustable lock and dog for.....	J. R. Fitzhous.....	170, 945	Dec. 14, 1875	275	92	8	395
Hay-fork.....	M. M. Cherry.....	169, 417	Nov. 2, 1875	90	27	8	747
Hay-fork.....	J. P. Friest.....	165, 694	Aug. 17, 1875	503	153	8	287
Hay-fork, Horse.....	T. M. Edwards.....	165, 989	July 27, 1875	855	263	8	162
Hay-fork, Horse.....	J. H. Fletcher.....	169, 688	Nov. 9, 1875	372	116	8	791
Hay-fork, Horse.....	E. V. R. Gardner.....	161, 404	Mar. 30, 1875	1104	357	7	531
Hay-fork, Horse.....	E. Raber.....	169, 919	Nov. 16, 1875	609	189	8	229
Hay-fork, Horse.....	O. Taber.....	169, 740	Nov. 9, 1875	419	133	8	797
Hay-fork, Spiral.....	A. Stollenberger.....	166, 152	July 27, 1875	1013	312	8	185
Hay-gatherer.....	C. P. Noell.....	159, 605	Feb. 9, 1875	347	115	7	241
Hay-gatherer.....	P. Russell.....	166, 560	Aug. 10, 1875	364	111	8	258
Hay gathering and elevating apparatus.....	A. J. Park.....	167, 926	Sept. 21, 1875	509	162	8	494
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Hay-loader.....	P. L. Craig.....	162, 221	Apr. 20, 1875	584	191	7	666
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Hay-loader.....	F. Marion.....	160, 023	Feb. 23, 1875	770	254	7	3 9
Hay-loader.....	G. E. and A. S. Peck.....	171, 484	Dec. 28, 1875	821	269	8	1083
Hay-loader.....	E. Perry and A. J. Manley.....	170, 189	Nov. 23, 1875	875	274	8	872
Hay-loader.....	L. Underwood.....	160, 556	Mar. 9, 1875	281	96	7	398
Hay-loader.....	E. R. Whitney.....	165, 902	July 20, 1875	759	232	8	137
Hay-loader.....	C. M. Young.....	170, 796	Dec. 7, 1875	129	43	8	968
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Hay-press.....	J. Dugan.....	161, 871	Apr. 13, 1875	260	87	7	617
Hay-press.....	W. H. Penniston.....	164, 476	June 15, 1875	614	199	7	1032
Hay-press.....	H. E. Skilinn.....	159, 713	Feb. 9, 1875	445	119	7	254
Hay-press.....	C. Waste.....	160, 976	Mar. 16, 1875	674	220	7	459
Hay-press, Portable.....	M. McCarty.....	170, 636	Nov. 30, 1875	1303	411	8	939
Hay-rack.....	J. Hall.....	164, 731	June 22, 1875	852	276	7	1073
Hay-rake, Horse.....	W. Aldrich.....	169, 328	Nov. 2, 1875	2	1	8	735
Hay-rake, Horse.....	W. S. Archer.....	160, 093	Mar. 23, 1875	697	230	7	471
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Hay-rake, Horse.....	G. Barclay and J. Kennedy.....	168, 553	Oct. 11, 1875	236	78	8	605
Hay-rake, Horse.....	A. Bugbee.....	164, 590	Apr. 6, 1875	4	2	7	569
Hay-rake, Horse.....	S. H. Bushnell.....	160, 387	Mar. 2, 1875	114	41, 42	7	365
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Hay-rake, Horse.....	B. J. Downing and H. D. Van Campen.....	167, 390	Sept. 7, 1875	10	3	8	408
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Hay-rake, Horse.....	J. Hollingsworth.....	167, 533	Sept. 7, 1875	136	41, 42	8	425
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Hay-rake, Horse.....	G. Platt.....	163, 103	May 11, 1875	359	117	7	202
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Hay-rake, Horse.....	L. A. Taylor.....	169, 928	Nov. 16, 1875	617	191	8	830
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Hay-rake, Horse.....	N. D. Wood and L. Taylor.....	166, 176	July 27, 1875	1026	319	1	188
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Hay-tedder.....	E. M. Steckel.....	168, 424	Oct. 5, 1875	93	32	5	578
Hay tumbler and rake, Combined.....	G. W. Bishop and D. B. Sherman.....	162, 457	Apr. 27, 1875	832	265	7	705
Head-block.....	J. F. Cook.....	165, 665	June 29, 1875	1169	376	7	1122
Head-block.....	E. A. Perry, jr., and G. M. Dwight.....	161, 897	Apr. 13, 1875	283	95	7	621
Head-light attachment, Locomotive.....	T. S. Ray and C. T. Ham.....	165, 426	July 13, 1875	294	87	7	56
Head-light for vessels, Signal.....	W. M. and J. J. Walton.....	168, 434	Oct. 5, 1875	100	35	5	579
Head-light, Steamboat.....	W. E. Merrill.....	162, 938	May 4, 1875	187	61	7	771
Head-rest.....	H. C. Cushman and G. T. Cuckburn.....	171, 356	Dec. 21, 1875	656	226	8	1057
Head-rest.....	O. C. White.....	165, 286	July 6, 1875	129	39	8	26
Head rest.....	W. M. White.....	162, 784	May 4, 1875	46	14, 15	7	753
Head-lift apparatus.....	F. G. Johnson.....	169, 002	Oct. 19, 1875	654	216	6	673
Horses, Collar-clamp for.....	W. H. Houck and J. B. Fox.....	159, 324	Feb. 2, 1875	79	27	7	195
Hearth-ventilating attachment.....	W. S. Winfield.....	161, 724	Apr. 6, 1875	114	41	7	585
Heat-regulator.....	W. S. Hill.....	167, 611	Sept. 14, 1875	219	68	8	444
Heat regulator and alarm, Automatic.....	S. A. Day.....	164, 815	June 22, 1875	928	301	7	1083
Heater:							
See Air and water heater. Gas-heater.							
Boiler-heater. Locomotive-tire heater.							
Bone-black heater. Lunch-heater.							
Candy-heater. Roller-heater.							
Car-heater. Sad-iron heater.							
Cheese-vat heater. School-room heater.							
Drum-heater. Soldering-iron heater.							
Feed-water heater. Steam-heater.							
Fire-place heater. Water-heater.							
Flat-iron heater.							
Heater.....	M. W. Baily.....	167, 868	Sept. 21, 1875	465	147	8	488
Heater.....	M. H. Roberts.....	159, 844	Feb. 16, 1875	583	193	7	277
Heater.....	S. D. Tuttle and B. F. Larsh.....	159, 479	Feb. 2, 1875	225	73	7	216
Heater and condenser.....	J. E. Coughlin.....	163, 917	June 1, 1875	65	22	7	939
Heater and drier.....	T. Cook.....	161, 865	Apr. 13, 1875	251	84	7	616
Heating and ventilating apparatus for buildings.....	O. Kelsey.....	163, 320	May 18, 1875	578	185	7	846
Heating and ventilating device.....	A. H. Thorp.....	166, 825	Aug. 17, 1875	619	192	8	304
Heating and ventilating public buildings.....	A. P. Pitkin.....	164, 933	June 29, 1875	1059	341	7	1107
Heating and ventilating register.....	J. B. Oldershaw.....	167, 355	Aug. 31, 1875	1145	360	8	393
Heating apparatus, Smoke-stack.....	T. B. Field.....	169, 093	Oct. 26, 1875	766	249	8	695
Heating apparatus, Steam.....	I. C. Richardson.....	164, 935	June 29, 1875	1061	342	7	1107
Heating buildings, Method or process of.....	C. Franke.....	167, 395	Sept. 7, 1875	16	4	8	409
Heating-furnace.....	C. Rees and T. Johns.....	162, 688	Apr. 27, 1875	1040	332	7	731
Heating-furnace.....	W. E. Wood.....	162, 135	Apr. 13, 1875	488	161	7	616
Heddle-frame.....	E. S. Pike.....	163, 691	May 25, 1875	925	294	7	899
Heddle-frame.....	E. S. Pike.....	167, 357	Aug. 31, 1875	1147	361	8	394
Heddle-frame bars, Device for securing.....	L. J. Knowles.....	168, 095	Sept. 28, 1875	691	218	8	527
Heel and sole trimming machine.....	G. H. Bliss.....	161, 658	Apr. 13, 1875	245	82	7	615
Heel and sole trimming machine.....	J. H. Busell.....	167, 874	Sept. 21, 1875	470	149	8	488
Heel and sole trimming machine, Boot and shoe.....	R. C. Lambert.....	160, 529	Mar. 9, 1875	258	88	7	394
Heel attaching and trimming machine.....	G. McKay, H. P. Fairfield, and C. W. Glidden.....	166, 795	Aug. 17, 1875	593	{ 183 } { 184 }	8	300
Heel, Boot and shoe.....	A. A. Danforth.....	166, 507	Aug. 10, 1875	320	97	8	252
Heel, Boot and shoe.....	T. C. Musgrove.....	168, 341	Oct. 5, 1875	20	8	8	567
Heel, Boot and shoe.....	R. Vint.....	167, 959	Sept. 21, 1875	534	171	8	499
Heel-burnishing machine.....	C. J. Addy.....	169, 894	Nov. 16, 1875	579	{ 179 } { 180 }	8	825
Heel burnishing machine, Boot and shoe.....	A. Swallow.....	159, 469	Feb. 2, 1875	216	70	7	214
Heel burnishing machinery, Boot and shoe.....	V. K. Spear.....	162, 775	May 4, 1875	37	12	7	752
Heel counters, Machine for trimming boot and shoe.....	J. R. Moffitt.....	158, 385	Jan. 5, 1875	29	10	7	13
Heel making machine, Boot and shoe.....	W. Stevens.....	160, 481	Mar. 2, 1875	201	69	7	377
Heel-plate.....	G. Dunlop.....	166, 972	Aug. 24, 1875	777	239	8	334
Heel-polishing machine.....	L. Graf.....	164, 443	June 15, 1875	586	191	7	1029
Heel-polishing machine.....	W. Joint and G. B. Dunham.....	171, 515	Dec. 28, 1875	853	278	8	1087
Heel-polishing machine.....	W. Westcott.....	165, 640	July 13, 1875	498	152	8	86
Heel polishing machine, Boot and shoe.....	J. H. Ryder.....	165, 260	July 6, 1875	108	32	8	243
Heel protector, Boot and shoe.....	L. W. Buxton.....	168, 224	Sept. 28, 1875	867	256	8	543
Heel-shave.....	N. A. Sweet.....	164, 885	June 22, 1875	996	321	7	1094
Heel-stiffener.....	W. F. Spinney.....	165, 961	July 27, 1875	829	255	8	158
Heel-stiffeners or counter-blanks, Mechanism for feeding.....	S. and G. F. Moore.....	161, 811	Apr. 6, 1875	192	65	7	596
Heel-treads, Metal wear-plates for.....	J. M. Ewing.....	163, 004	May 11, 1875	267	87	7	790
Heel trimmer, Boot and shoe.....	C. W. Glidden and S. A. Simmons.....	166, 765	Aug. 17, 1875	567	174	8	296
Heel-trimming machine.....	C. C. Ballou.....	158, 456	Jan. 5, 1875	91	31	7	22
Heel-trimming machine.....	L. G. Clock.....	169, 149	Oct. 26, 1875	815	{ 264 } { 265 }	8	702
Heel-trimming machine.....	I. Van Noubnys.....	168, 540	Oct. 5, 1875	203	67	8	593
Heel-trimming machinery.....	A. McDowell.....	166, 933	Aug. 24, 1875	736	228	8	329
Heel-trimming machinery, Boot and shoe.....	W. H. Renolds.....	160, 283	Mar. 2, 1875	24	9, 10	7	352
Heels and soles of boots and shoes, Manufacture of.....	J. J. Sawin.....	164, 948	June 1, 1875	92	31	7	943
Heels and soles of boots and shoes, Screw for.....	J. Uster.....	168, 357	Oct. 5, 1875	33	13	8	569
Heels, Machine for constructing boot and shoe.....	E. N. Higley.....	161, 511	Mar. 30, 1875	1208	388	7	544
Heels, Machine for forming rand for boot and shoe.....	T. Bullock.....	158, 901	Jan. 19, 1875	541	178	7	112
Heels, &c., Machine for trimming and burnishing the edges of boot and shoe.....	G. H. Bliss.....	161, 857	Apr. 13, 1875	243	81	7	615
Heels, Manufacture of boot and shoe.....	S. W. Baldwin.....	167, 728	Sept. 14, 1875	319	102	8	450
Heels of boots and shoes, Attachment for.....	R. S. Van Zandt.....	171, 199	Dec. 14, 1875	524	173	8	1027



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Heeling-machine .....	A. D. Elliott, G. E. Fellows, and S. A. Simmons.	166, 756	Aug. 17, 1875	560	172	8	295
Ham-folder, Hand .....	F. Henry	160, 429	Mar. 2, 1875	154	54	7	370
Hemp and flax machine .....	C. Herschaft and J. Lawrence	165, 825	July 20, 1875	688	210	8	127
Hemp-hackling machine .....	F. D. Frost	170, 947	Dec. 14, 1875	276	93	8	995
Hide-scouring machine .....	C. Rose	170, 771	Dec. 7, 1875	108	34	8	964
Hides and skins, Compound for unhairing .....	H. Mower	158, 648	Jan. 12, 1875	279		7	63
Hides from vats, Machinery for raising and transferring .....	W. Coupe	165, 212	July 6, 1875	68	19	8	18
Hides, Preparing and coloring .....	H. W. Merrill and J. W. Hoitt	170, 100	Nov. 16, 1875	770		8	851
Hides, Preserving .....	F. H. L. C. Sacc	171, 177	Dec. 14, 1875	498		8	1023
Hides, Treating .....	W. H. Holmes	170, 855	Dec. 7, 1875	177	60	8	974
Hinge .....	L. E. Bolton	168, 368	Oct. 5, 1875	46	16	8	571
Hinge .....	S. T. Davis	164, 365	June 15, 1875	512	169	7	1020
Hinge .....	F. J. Battorf	158, 489	Jan. 5, 1875	124	41	7	26
Hinge .....	A. H. Isham	167, 537	Sept. 7, 1875	140	43	8	426
Hinge .....	J. Kauffman	159, 682	Feb. 9, 1875	418	139	7	250
Hinge .....	D. W. Long	158, 643	Jan. 12, 1875	273	92	7	62
Hinge .....	D. W. Long	170, 750	Dec. 7, 1875	88	28	8	962
Hinge .....	L. H. Rogers	170, 116	Nov. 16, 1875	782	249	8	852
Hinge .....	F. L. Sanderson	165, 619	July 13, 1875	478	146	8	83
Hinge .....	J. R. Shields	170, 598	Nov. 30, 1875	1268	399	8	934
Hinge .....	C. Sball	165, 957	July 27, 1875	824	253	8	158
Hinge .....	D. Skidmore	167, 576	Sept. 7, 1875	172	54	8	430
Hinge .....	F. Toedt	170, 314	Nov. 23, 1875	986	309	8	887
Hinge .....	B. Turner	108, 592	Oct. 11, 1875	276	90	8	610
Hinge and closing-rod, Combined gate .....	W. H. McCormick	108, 400	Sept. 21, 1875	611	196	8	569
Hinge attachment, Strap .....	H. Freeman	170, 843	Dec. 7, 1875	168	57	8	973
Hinge, Combination spring .....	G. Z. House	167, 990	Sept. 21, 1875	491	135	8	491
Hinge, Double reversible .....	E. Halsey	160, 425	Mar. 2, 1875	150	53	7	370
Hinge for blinds and shutters, Lock .....	A. S. Parker	163, 400	May 18, 1875	651	208	7	855
Hinge for safe-doors, &c .....	W. R. Perry	160, 616	Mar. 9, 1875	334	112	7	405
Hinge for seat-arms of school-desks .....	W. B. Cogger	164, 265	June 8, 1875	408	136	7	996
Hinge for sewing-machine tables .....	H. B. Keiper	163, 661	May 25, 1875	902	286	7	896
Hinge, Gate .....	G. Marsh	165, 351	July 6, 1875	191	57	8	35
Hinge, Gate .....	S. L. Selden	158, 987	Jan. 19, 1875	614	204	7	123
Hinge, Lock .....	J. Aikman	164, 410	June 15, 1875	557	181	7	1025
Hinge, Self-closing .....	C. A. Miller	170, 486	Nov. 30, 1875	1159	365	8	920
Hinge, Self-supporting .....	S. Adams	161, 729	Apr. 6, 1875	121	12, 43	7	586
Hinge, Sheet-metal .....	S. Scott	164, 774	June 22, 1875	885	289	7	1078
Hinge, Shutter .....	F. Beckert, jr	170, 702	Dec. 7, 1875	45	13	8	956
Hinge, Spring .....	J. Annin	162, 735	May 4, 1875	1	1	7	747
Hinge, Spring .....	R. M. C. Parker	167, 114	Aug. 24, 1875	912	284	8	353
Hinge, Strap .....	J. G. Reynolds	170, 769	Dec. 7, 1875	105	33	8	964
Hinges, Covering-plate for .....	H. T. Blake	165, 061	June 29, 1875	1164	375	7	1121
Hitching device, Horse .....	E. Ohm	160, 223	Feb. 23, 1875	941	309	7	334
Hitching device, Horse .....	J. Schoemaker	170, 023	Nov. 16, 1875	694	218	8	841
Hitching device, Strap .....	C. H. Bausch	162, 518	Apr. 27, 1875	886	283	7	712
Hitching devices, Clasp or thimble for .....	J. C. Covert	161, 757	Apr. 6, 1875	144	50	7	589
Hitching-post .....	T. Maguire	167, 263	Aug. 31, 1875	1066	332	8	382
Hives, Mold for shaping wax-comb guides for .....	J. F. Ervin	164, 438	June 15, 1875	582	189	7	1028
Hod-elevator .....	W. Murphy	162, 573	Apr. 27, 1875	931	299	7	718
Hoe .....	J. N. Butou	160, 645	Mar. 9, 1875	358	121	7	409
Hoe .....	S. Green	158, 373	Jan. 5, 1875	19	7	7	11
Hoe .....	M. Johnson	159, 332	Feb. 2, 1875	87	30	7	196
Hoe .....	H. D. Mills	164, 021	June 1, 1875	153	54	7	952
Hoe .....	D. and E. Moore	164, 023	June 1, 1875	155	55	7	952
Hoe .....	A. A. Porter	168, 780	Oct. 11, 1875	444	144	8	635
Hoe and plow, Combined horse .....	A. D. Simons	160, 621	Mar. 9, 1875	339	114	7	406
Hoe, Wedging .....	A. S. Dunham	167, 229	Aug. 31, 1875	1038	322	8	378
Hoes, Die for making .....	F. J. Fischer	158, 366	Jan. 5, 1875	15	5	7	11
Hoes, Manufacture of grubbing .....	J. C. Klein	171, 141	Dec. 14, 1875	463	152	8	1010
Hoeing-machine .....	H. N. Prout	168, 105	Sept. 23, 1875	700	221	8	523
Hog-catching implement .....	W. R. Ames	164, 707	June 22, 1875	831	270	7	1070
Hog-lifter .....	N. Caldwell	168, 612	Oct. 11, 1875	294	95	8	613
Hog-ring blank .....	W. D. Brown	158, 356	Jan. 5, 1875	6	2	7	9
Hog-ringing apparatus .....	S. and J. W. Sparks	165, 266	July 6, 1875	113	34	8	24
Hog-ringing nippers .....	W. E. Bingham	159, 886	Feb. 10, 1875	626	207	7	283
Hog-trap .....	J. F. Cooper and W. W. Hiatt	160, 307	Mar. 2, 1875	43	16	7	355
Hog-trap .....	W. Deatherage	167, 440	Sept. 7, 1875	55	17	8	414
Hog-trap .....	J. M. Kimball	164, 743	June 22, 1875	860	280	7	1075
Hog-trap .....	J. Klar	159, 185	Jan. 26, 1875	816	268	7	158
Hog-trap .....	P. Lane	158, 950	Jan. 19, 1875	576	191	7	118
Hog-trap .....	H. Ogborn	163, 603	May 25, 1875	855	270	7	889
Hog-watering tank .....	G. A. Carter	158, 905	Jan. 19, 1875	535	178	7	113
Hog's nose shears .....	W. H. Grow and C. M. Sloan	171, 013	Dec. 14, 1875	340	113	8	1003
Hogshod and barrel horse .....	J. N. Parker	170, 186	Nov. 23, 1875	873	273	8	871
Hoist, Hydraulic .....	H. Richmann	160, 232	Feb. 23, 1875	948	311	7	335
Hoist, Ore .....	C. W. Hunt	170, 442	Nov. 30, 1875	1117	352	8	914
Hoisting and conveying coal, &c .....	G. Stancliff and J. Green	161, 175	Mar. 23, 1875	864	282 283	7	492
Hoisting apparatus .....	N. W. Hoffman	167, 763	Sept. 14, 1875	357	113	8	464
Hoisting apparatus .....	H. Opperman and A. Black	158, 970	Jan. 19, 1875	596	198	7	121
Hoisting apparatus .....	D. M. Pfantz and L. Sternberger	158, 976	Jan. 19, 1875	600	199	7	121
Hoisting apparatus .....	W. Turner	168, 196	Sept. 28, 1875	785	249	8	540
Hoisting apparatus, Hydraulic .....	F. Rochow	162, 311	Apr. 20, 1875	666	217	7	676
Hoisting-engine, Hydraulic .....	G. M. Gerrish	165, 558	July 13, 1875	419	126	8	74
Hoisting-machine .....	V. Duhamel	164, 432	June 15, 1875	579	187	7	1028
Hoisting-machine .....	N. P. Otis	166, 219	Aug. 3, 1875	32	11	8	203
Hoisting-machine .....	H. Richmann	160, 233	Feb. 23, 1875	949	311	7	335
Hoisting-machine .....	J. Wallace	168, 591	Oct. 11, 1875	277	90	8	611
Hoisting-machine or elevator .....	E. Sehlenker	166, 730	Aug. 17, 1875	537	165	8	292
Hoisting-tongs .....	W. C. Frederick	166, 599	Aug. 10, 1875	399	123	8	264
Holdback .....	J. B. Goldsmith	158, 376	Jan. 5, 1875	18	6	7	11
Holdback .....	W. H. Harvey	165, 515	July 13, 1875	434	131	3	77

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Holdback .....	J. V. Phillips.....	163, 884	June 1, 1875	41	14	7	936
Holdback, Adjustable .....	S. R. Rood.....	159, 711	Feb. 9, 1875	442	148	7	254
Holdback-iron .....	A. Bedford.....	162, 456	Apr. 27, 1875	831	268	7	705
Holder:							
See Adjustable screen-holder.	Neck-tie holder.						
Bag-holder.	Package-holder.						
Bed-clothes holder.	Paper-bag holder.						
Billiard-chalk holder.	Pen-holder.						
Bird-food holder.	Pencil and crayon holder.						
Book-holder.	holder.						
Boot-holder.	Photographic-plate holder.						
Broom-holder.	holder.						
Brush-holder.	Picture-holder.						
Brush and mop holder.	Planing-machine-ent-ter holder.						
Burnisher-holder.	holder.						
Candle-holder.	Preserv-can holder.						
Cartridge-holder.	Rail-holder.						
Clock movement holder.	Rein-holder.						
Coal-holder.	Rim-holder.						
Copy-holder.	Sack-holder.						
Cow-tail holder.	Sad-iron holder.						
Cuff-holder.	Sample-holder.						
Curtain-cord holder.	Sash-holder.						
Dish-cloth holder.	Shawl-holder.						
Egg-holder.	Sheep-holder.						
Eraser-holder.	Soap-holder.						
File-holder.	Spinning-ring holder.						
Gas-holder.	Sponge-holder.						
Globe-holder.	Spool-holder.						
Hair-holder.	Spoon-holder.						
Handkerchief-holder.	Stamp-holder.						
Hat-holder.	Stereotype-holder.						
Joint holder.	Stereotype-plate holder.						
Label-holder.	Stocking and shirt holder.						
Lamp-holder.	holder.						
Lamp-globe holder.	Tablet-holder.						
Mop and brush holder.	Twine-holder.						
Mucilage holder.	Umbrella-rib-tip holder.						
Music-holder.	Warp-holder.						
Napkin-holder.							
Hollow rings, Die for making .....	S. Cottle .....	158, 914	Jan. 19, 1875	543	180	7	114
Hominy-mill .....	B. Harvey .....	160, 698	Nov. 9, 1875	380	119	8	792
Honey-packer .....		170, 622	Nov. 30, 1875	1290	408	8	937
Hood .....	J. Brugger and S. Christophe.....	159, 497	Feb. 9, 1875	255	83	7	227
Hood .....	J. Brugger and S. Christophe.....	161, 003	Mar. 23, 1875	705	233	7	472
Hood trimmer .....	A. Shirran and W. J. Givens .....	159, 972	Feb. 16, 1875	701	233	7	293
Hook:							
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Bench-hook.	Mousing-hook.						
Bird-cage hook.	Sail-bending hook.						
Car hitch-hook.	Single-tree hook.						
Cast-hook.	Snap-hook.						
Fishing spoon-hook.	Wardrobe-hook.						
Harrow-hook.	Window-bracket hook.						
Hat and coat hook.	Whiffletree-hook.						
Hook .....	A. H. Alverson .....	159, 374	Feb. 2, 1875	119	41	7	260
Hook .....	M. Mattson .....	159, 275	Feb. 2, 1875	29	10	7	188
Hook and eye for wearing-apparel .....	J. C. Howells.....	169, 267	Oct. 26, 1875	920	298	8	717
Hoop:							
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Mast-hoop.							
Hoop-coiling machine .....	J. Tomlinson .....	159, 289	Feb. 2, 1875	43	15, 16	7	190
Hoop-cutting machine .....	P. Cook .....	164, 077	June 8, 1875	233	81	7	974
Hoop-cutting machine .....	H. Fowler .....	165, 555	July 13, 1875	417	125	8	74
Hoop-cutting machine .....	G. V. Griffith .....	164, 294	June 8, 1875	431	143	7	999
Hoop-fastening .....	G. V. Griffith .....	166, 564	Aug. 10, 1875	367	112	8	259
Hoop-making machine .....	W. Spalding .....	162, 641	Apr. 27, 1875	991	318	7	725
Hoop-sawing machine .....	E. Young .....	165, 910	July 20, 1875	765	234	8	138
Hoops, Machine for shaving half-round .....	G. B. Selden .....	171, 247	Dec. 21, 1875	591	194	8	1044
Hop-grubs, &c., Compound for destroying .....	O. M. Knox .....	166, 207	Aug. 3, 1875	22		8	202
Hopple .....	J. Shive .....	165, 127	June 29, 1875	1223	393	7	1129
Hopple, Animal .....	J. D. Wilson .....	160, 134	Feb. 23, 1875	861	285	7	323
Horizontal wind-wheel .....	F. Burt .....	168, 608	Oct. 11, 1875	289	94	8	612
Horn and hoof, Manufacturing articles from .....	W. F. Niles .....	166, 475	Aug. 10, 1875	295		8	248
Horn-polishing machine .....	C. C. Fish .....	171, 220	Dec. 21, 1875	566	186	8	1041
Horse and water power apparatus .....	W. S. Watkins .....	169, 391	Nov. 2, 1875	67	20	8	743
Horse-blanket and fly-net, Combined .....	L. S. Crittenden .....	170, 528	Nov. 30, 1875	1197	378	8	925
Horse-blanket and pantaloons, Combined .....	C. Franke .....	160, 012	Feb. 23, 1875	761	252	7	308
Horse-blanket or lap-robe .....	G. V. Shepard .....	158, 999	Jan. 19, 1875	617	204	7	124
Horse-boot .....	J. B. Hall .....	167, 895	Sept. 21, 1875	487	154	8	3491
Horse-check .....	J. Sugden and J. P. Gaffney .....	159, 529	Feb. 9, 1875	292	94	7	232
Horse-checking device, Vehicle .....	W. T. and J. B. Burton .....	158, 359	Jan. 5, 1875	8	3	7	10
Horse-checking device, Vehicle .....	J. Knight .....	170, 091	Nov. 16, 1875	762	241	8	849
Horse-detacher .....	P. Arnold .....	158, 774	Jan. 19, 1875	409	137	7	57
Horse-detacher .....	A. Barker .....	162, 517	Apr. 27, 1875	885	283	7	712
Horse-detacher .....	J. A. Maze .....	164, 467	June 15, 1875	608	197	7	1031
Horse-detacher .....	D. E. Owen .....	170, 389	Nov. 23, 1875	1051	331	8	897
Horse-detaching apparatus .....	J. W. Glover .....	167, 660	Sept. 14, 1875	260	81	8	450
Horse-detaching apparatus .....	J. H. O'Brien .....	171, 242	Dec. 21, 1875	586	192	8	1043
Horse-detaching apparatus, Carriage .....	I. L. Fallis .....	169, 685	Nov. 9, 1875	263	111	8	790
Horse-detaching device .....	J. Carpenter .....	168, 227	Sept. 28, 1875	869	257	8	511
Horse-detaching device, Vehicle .....	J. Weikert .....	161, 928	Apr. 13, 1875	365	123	7	631
Horse interfering-boot .....	A. D. Westbrook.....	160, 248	Feb. 23, 1875	960	316	7	337

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Horse interfering-pad	H. S. Nichols	162,251	Apr. 20, 1875	613	200	7	670
Horse-power	G. E. Burt	161,663	Apr. 6, 1875	66	24	7	578
Horse-power	W. H. Butterworth	171,094	Dec. 14, 1875	413	{ 137 138 }	8	1013
Horse-power	P. K. Dederick	171,000	Dec. 14, 1875	331	110	8	1002
Horse-power	P. K. Dederick	171,001	Dec. 14, 1875	332	110	8	1002
Horse-power	A. B. Farquhar	168,469	Oct. 5, 1875	132	45	8	584
Horse-power	D. Geiser	163,472	May 18, 1875	710	227	7	864
Horse-power	G. W. Gordon	170,252	Nov. 23, 1875	934	291	8	880
Horse-power	W. I. Grant	169,164	Oct. 26, 1875	830	269	8	705
Horse-power	J. R. Gray	166,358	Aug. 3, 1875	156	48	8	222
Horse-power	E. J. and J. W. Heyle	160,098	Feb. 23, 1875	833	274	7	319
Horse-power	A. D. Manley	170,386	Nov. 23, 1875	1051	330	8	896
Horse-power	T. G. Palmer	158,896	Jan. 19, 1875	440	147	7	101
Horse-power	H. Parkhurst	164,588	June 15, 1875	709	231	7	1046
Horse-power	N. Potter	167,936	Sept. 21, 1875	512	163	8	495
Horse-power	J. S. Schofield	163,534	May 18, 1875	776	246	7	872
Horse-power	J. Smith	169,360	Nov. 2, 1875	59	17	8	742
Horse-power	L. Stewart	164,335	June 8, 1875	468	155	7	1004
Horse-power	F. Trulender	171,450	Dec. 21, 1875	769	253	8	1068
Horse-power	Z. D. Waters	164,352	June 8, 1875	489	161	7	1007
Horse-power attachment	J. G. Meychen	159,340	Feb. 8, 1875	93	32	7	197
Horse-power, Endless-chain	S. W. Davis	169,780	Nov. 9, 1875	464	146	8	803
Horse-power governor	J. D. Heebner	160,595	Mar. 9, 1875	317	107	7	403
Horse-power link	B. L. Olds	164,473	June 15, 1875	612	198	7	1032
Horse-power, Mounted	F. D. Coy	158,784	Jan. 19, 1875	418	140	7	98
Horse-power, Portable	C. Roberts	166,147	July 27, 1875	1008	311	8	184
Horse-quarter-beet and toe-weight combined	J. B. Gilbert	162,052	Apr. 13, 1875	412	138	7	637
Horse-rake	W. Aldrich	169,329	Nov. 2, 1875	3	1	8	735
Horse-rake	J. Badger	170,044	Nov. 16, 1875	711	226	8	843
Horse-rake	R. Brown	164,071	June 8, 1875	227	79	7	973
Horse-rake	C. M. Clinton and L. Mood	164,266	June 8, 1875	403	{ 135 136 }	7	996
Horse-rake	C. B. Perkins	171,419	Dec. 21, 1875	744	244	8	1064
Horse-rake	W. C. Raynor	171,423	Dec. 21, 1875	746	245	8	1065
Horse-rake	J. H. Thomas	170,130	Nov. 16, 1875	795	252	8	854
Horse-rake	H. C. Velie	168,543	Oct. 5, 1875	207	68	8	593
Horse-rake, Revolving	J. H. Randolph, jr.	166,030	July 27, 1875	892	276	8	168
Horse-stopping apparatus	J. Lansber and W. Woerle	161,131	Mar. 23, 1875	827	271	7	487
Horse-sun-protector, Car	V. Henry	160,521	Mar. 9, 1875	253	86	7	393
Horse-tail protector	G. R. Willmet	158,558	Jan. 5, 1875	179	62	7	34
Horses, Apparatus for breaking	J. Z. Walling	161,461	Mar. 30, 1875	1154	372	7	538
Horses from cribbing, Device for preventing	A. C. Lickner	168,683	Oct. 11, 1875	356	116	8	623
Horses from jumping, &c., Device for preventing	G. D. Clisholm	168,082	Sept. 28, 1875	677	214	8	525
Horses from running, Device for preventing	C. Guelcher	170,532	Nov. 30, 1875	1220	384	8	928
Horses in engine-houses, Gong attachment for releasing.	C. Sihert	169,379	Nov. 2, 1875	58	17	8	742
Horses, Toe-weight and quarter-beet attachment for.	H. D. McKinney	165,014	June 29, 1875	1125	363	7	1116
Horses, Toe-weight for	W. H. Abbott	167,599	Sept. 14, 1875	209	65	8	443
Horseshoe	A. Albright	167,600	Sept. 14, 1875	209	65	8	443
Horseshoe	T. B. Bishop	160,565	Mar. 9, 1875	290	98	7	389
Horseshoe	A. J. Clatherwick	170,809	Dec. 7, 1875	140	46	8	969
Horseshoe	E. L. Brown	168,369	Oct. 5, 1875	47	17	8	571
Horseshoe	E. M. Bumpus	168,872	Oct. 19, 1875	535	175	8	656
Horseshoe	D. Carey	161,860	Apr. 13, 1875	247	82	7	616
Horseshoe	J. H. Dergan	166,513	Aug. 10, 1875	325	98	8	233
Horseshoe	A. Dunbar	170,245	Nov. 23, 1875	926	299	8	879
Horseshoe	J. D. Felthousen	162,280	Apr. 20, 1875	638	208	7	673
Horseshoe	C. Hartmann	163,997	June 1, 1875	132	46, 47	7	949
Horseshoe	S. B. Henry	160,188	Feb. 23, 1875	910	299	7	329
Horseshoe	R. Lee	159,191	Jan. 26, 1875	821	270	7	159
Horseshoe	A. Moffitt	171,636	Dec. 28, 1875	969	314	8	1104
Horseshoe	Z. V. Pundy	171,421	Dec. 21, 1875	745	245	8	1065
Horseshoe	M. L. Roberts	167,789	Sept. 14, 1875	378	121	8	467
Horseshoe	T. Skelton	166,226	Aug. 3, 1875	38	12	8	204
Horseshoe	A. W. Smith	162,862	May 4, 1875	116	38	7	762
Horseshoe	A. W. Snowden	170,911	Dec. 7, 1875	226	78	8	981
Horseshoe	A. C. Snowden	166,620	Aug. 17, 1875	615	190	8	304
Horseshoe	S. Stone	169,495	Nov. 2, 1875	154	51	8	756
Horseshoe	J. T. Walker	168,068	Sept. 21, 1875	652	207	8	514
Horseshoe	J. Wanstall	165,278	July 6, 1875	120	37	8	25
Horseshoe and swage	S. N. Stephenson	171,588	Dec. 28, 1875	918	301	8	1097
Horseshoe-bar-bending device	R. Hale and J. B. Johnston	160,590	Mar. 9, 1875	312	105	7	402
Horseshoe-bars, Roll for rolling and creasing.	H. H. Gilmore	163,864	June 1, 1875	25	8	7	934
Horseshoe-bending machine	A. Barton	163,841	June 1, 1875	5	2	7	931
Horseshoe-bending machine	H. Levy	164,649	June 22, 1875	775	254	7	1063
Horseshoe-blank	J. T. Walker	163,555	May 18, 1875	795	252	7	874
Horseshoe-blank	J. T. Walker	170,609	Nov. 30, 1875	1278	403	8	935
Horseshoe-blank bar	H. H. Gilmore	164,914	June 29, 1875	1040	335	7	1105
Horseshoe-blank bar	J. Wike	166,238	Aug. 3, 1875	48	16	8	206
Horseshoe-blank bars, Pile for	J. Russell	166,227	Aug. 3, 1875	59	13	8	204
Horseshoe-blank bars, Roll for rolling	W. W. Lewis	159,426	Feb. 2, 1875	166	57	7	207
Horseshoe-blank bending and swaging machine	R. and R. W. Hale	167,894	Sept. 21, 1875	486	154	8	491
Horseshoe-blank-rolling machine	W. D. Young	162,205	Sept. 28, 1875	704	252	8	541
Horseshoe-blanks, Roll for making	W. M. Greenwood and J. N. Clarke	167,096	Aug. 24, 1875	898	280	8	351
Horseshoe-blanks, Roll for rolling	J. T. Walker	163,554	May 18, 1875	794	251	7	874
Horseshoe-calk-blank bar	J. B. Johnston	163,316	May 18, 1875	575	184	7	846
Horseshoe-calk-sharpening machine	E. Gleason and R. Hamilton	159,918	Feb. 16, 1875	653	216	7	287
Horseshoe-calks, Die for forming	L. Pritchard	163,408	May 18, 1875	657	210	7	856
Horseshoe-calks, Dies for forming spurs en.	J. Palmer	163,882	June 1, 1875	39	13	7	936
Horseshoe-calking machine	E. Gleason and R. Hamilton	164,291	June 8, 1875	428	142	7	999
Horseshoe-creasing die	W. Russell	164,044	June 1, 1875	178	63	7	955
Horseshoe-fastening	S. McVeen and B. K. Rice	161,426	Mar. 30, 1875	1294	{ 362 363 }	7	533

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Horseshoe ice-nail	H. M. Patterson	169, 286	Oct. 26, 1875	938	304	8	720
Horseshoe-machine	H. J. Batchelder	159, 743	Feb. 16, 1875	491	165	7	865
Horseshoe-machine	H. J. Batchelder	171, 258	Dec. 21, 1875	600	197	8	1045
Horseshoe-machine	U. Billings	170, 931	Dec. 14, 1875	262	87	8	993
Horseshoe-machine	G. Custer	162, 804	May 4, 1875	63	21	7	755
Horseshoe-machine	L. Espach	168, 008	Sept. 21, 1875	576	185	8	505
Horseshoe-machine	W. W. Lewis	168, 336	Oct. 5, 1875	17	7	8	567
Horseshoe-machine	D. I. Pruner	171, 320	Dec. 21, 1875	653	{ 211 215	8	1052
Horseshoe-machine	F. Supple	158, 871	Jan. 19, 1875	497	167	7	108
Horseshoe-machine	J. Williams	159, 005	Jan. 19, 1875	630	{ 208 209	7	125
Horseshoe-magnets, Machine for bending	J. C. Bryan	160, 153	Feb. 23, 1875	880	290	7	326
Horseshoe-nail-blank bars, Machine for forging	P. H. Richards	164, 102	June 8, 1875	255	87, 88	7	977
Horseshoe-nail-finishing machine	G. Armstrong and J. A. Hutchinson.	162, 789	May 4, 1875	51	16, 17	7	753
Horseshoe-nail-finishing machine	H. A. Wills	170, 793	Dec. 7, 1875	127	42	8	967
Horseshoe-nail machine	D. J. and S. Farmer	168, 244	Sept. 28, 1875	825	{ 262 263	8	546
Horseshoe-nail machine	J. Roy	169, 044	Oct. 19, 1875	696	230	8	678
Horseshoe-nail-making machine	A. D. Bingham	161, 379	Mar. 30, 1875	1082	350	7	528
Horseshoe-nail plates, Manufacture of.	D. J. Harrington	159, 410	Feb. 2, 1875	153	51	7	205
Horseshoe-nail-rolling machine	G. L. Hall	169, 357	Nov. 2, 1875	36	10, 11	8	739
Horseshoe-pad, Elastic	J. B. Wood	159, 292	Feb. 2, 1875	45	16	7	191
Horseshoes, Die for forming spurs and toe-calks for.	T. M. Clark and D. B. Chase	164, 808	June 22, 1875	922	299	7	1082
Horseshoes, Die for making	W. Horfall	160, 195	Feb. 23, 1875	914	301	7	330
Horseshoes, Manufacture of.	A. B. Seymour	167, 027	Aug. 24, 1875	828	258	8	342
Horseshoeing apparatus	C. Schnoor	158, 529	Jan. 5, 1875	157	53	7	31
Horseshoeing harness	I. P. Pickering	163, 405	May 18, 1875	655	209	7	876
Horseshoeing-stock	R. S. Harris	164, 236	June 8, 1875	431	144	7	1000
Horseshoeing-tool	C. R. Donner	166, 971	Aug. 24, 1875	776	239	8	334
Hose and belting, Process of preserving cotton, hemp, and flax.	T. H. Dunham	170, 889	Dec. 7, 1875	156	.....	8	971
Hose and pipe coupling	H. G. Koehler	167, 675	Sept. 14, 1875	272	85	8	451
Hose and tubing	T. H. Dunham	170, 828	Dec. 7, 1875	156	.....	8	971
Hose-bridge	L. T. Kruse	166, 991	Aug. 24, 1875	799	248	8	337
Hose-carriage	T. McCabe	161, 425	Mar. 30, 1875	1123	{ 362 363	7	533
Hose clamp on patch	G. S. Knapp	161, 045	Mar. 23, 1875	743	244	7	477
Hose-coupling	W. A. Caswell	168, 970	Oct. 19, 1875	626	207	8	670
Hose-coupling	W. A. Caswell	170, 155	Nov. 23, 1875	846	265	8	868
Hose-coupling	E. Dayton	164, 816	Jan. 22, 1875	930	301	7	1083
Hose-coupling	W. M. Henderson	165, 415	July 13, 1875	284	84	8	54
Hose-coupling	M. M. Lewis	167, 262	Aug. 31, 1875	1065	332	8	382
Hose-coupling	A. J. Morse	166, 150	July 27, 1875	990	306	8	181
Hose-coupling	W. Painter	160, 760	Mar. 9, 1875	408	136	7	416
Hose-coupling	J. Ruppenthal	163, 261	May 11, 1875	505	164	7	820
Hose-coupling	T. L. Summers	162, 506	Apr. 27, 1875	878	281	7	711
Hose-coupling	S. White	170, 457	Nov. 30, 1875	1130	357	8	916
Hose-coupling	A. Work	166, 177	July 27, 1875	1037	320	8	188
Hose drying and draining reel.	A. R. Guilder	163, 374	May 18, 1875	627	200	7	852
Hose drying and stretching device	A. C. Carey	161, 383	Mar. 30, 1875	1085	351	7	528
Hose, Engine	T. L. Pierce	160, 226	Feb. 23, 1875	942	310	7	334
Hose, Fire	J. V. Reed	164, 272	Mar. 23, 1875	962	314	7	505
Hose, Fire	J. V. Reed	161, 273	Mar. 23, 1875	963	314	7	505
Hose, Foot-pipe for suction	W. Painter	160, 704	Mar. 9, 1875	413	137	7	417
Hose, Hydraulic	S. W. Baker	170, 803	Dec. 7, 1875	135	45	8	968
Hose, Hydraulic	L. H. Downing	158, 631	Jan. 12, 1875	262	89	7	61
Hose, Hydraulic	L. H. Downing	165, 159	July 6, 1875	12	4	8	10
Hose, Hydraulic	G. D. Joslin	160, 526	Mar. 9, 1875	256	87	7	394
Hose, Hydraulic	J. M. Stone	164, 946	June 29, 1875	1070	341	7	1108
Hose-joint	E. Dayton	161, 492	Mar. 30, 1875	1192	383	7	542
Hose-leak stopper	W. W. Whitcomb	158, 554	Jan. 5, 1875	176	61	7	33
Hose, Machine for manufacturing hydraulic	J. A. Wiley	161, 463	Mar. 30, 1875	1156	373	7	538
Hose, Machinery for lining hydraulic	J. U. Braman	170, 153	Nov. 23, 1875	845	264	8	667
Hose or tubing, Vulcanizing	J. B. Forsyth	168, 087	Sept. 28, 1875	681	215	8	526
Hose or tubing, Vulcanizing	J. B. Forsyth	168, 088	Sept. 28, 1875	682	.....	8	526
Hose, Process of introducing antiseptics into rubber	J. Murphy	159, 345	Feb. 2, 1875	96	33	7	197
Hose-reel	J. A. Miller	167, 851	Sept. 21, 1875	450	143	8	485
Hose, Rubber	J. Greacen, jr.	165, 324	July 6, 1875	166	50	8	31
Hose-spanner	J. Burke	165, 707	July 20, 1875	569	174	8	111
Hose spanner and key	A. J. Barnard	166, 492	Aug. 10, 1875	309	93	8	250
Hose to hose-coupling, Attaching	A. J. Morse	160, 696	Mar. 9, 1875	404	135	7	415
Hose, Water-proof	S. W. Baker	166, 580	Aug. 10, 1875	379	117	8	261
Hose, Water-proof	S. W. Baker	169, 760	Nov. 9, 1875	417	141	8	601
Hot-air furnace	B. L. Bradley	159, 383	Feb. 2, 1875	126	41	7	202
Hot-air furnace	W. Burrows	160, 644	Mar. 9, 1875	357	120	7	409
Hot-air furnace	C. B. Chase	165, 712	July 20, 1875	574	176	8	112
Hot-air furnace	C. Clark	171, 351	Dec. 21, 1875	682	{ 224 225	8	1056
Hot-air furnace	J. W. Crary	161, 208	Mar. 23, 1875	891	292	7	496
Hot-air furnace	W. O. Crocker	163, 650	May 11, 1875	311	100	7	795
Hot-air furnace	L. Dupont	162, 907	May 4, 1875	156	51	7	767
Hot-air furnace	H. D. Freer	167, 657	Sept. 14, 1875	258	80	8	449
Hot-air furnace	S. J. Gold	163, 009	May 11, 1875	271	88	7	791
Hot-air furnace	T. F. Hemmich	171, 281	Dec. 21, 1875	622	204	8	1048
Hot-air furnace	T. Langstrath	166, 015	July 27, 1875	879	271	8	165
Hot-air furnace	J. A. Lawson	158, 954	Jan. 19, 1875	580	{ 192 193	7	119
Hot-air furnace	W. McFarland	161, 535	Mar. 30, 1875	1230	396	7	547
Hot-air furnace	C. L. Pierce and H. A. Pinkham	169, 729	Nov. 9, 1875	409	{ 129 130	8	796
Hot-air furnace	B. C. Sayre	171, 431	Dec. 21, 1875	755	248	8	1066
Hot-air furnace	J. H. Shoenaker	161, 285	Mar. 23, 1875	973	318	7	506
Hot-air furnace	N. Tove	167, 631	Sept. 14, 1875	237	73, 74	8	446

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Hot-air furnace.....	G. W. White.....	164, 627	June 15, 1875	740	242	7	1050
Hot-air furnace and range, Combined.....	L. G. Hallberg.....	164, 916	June 29, 1875	1042	336	7	1105
Hot-air furnaces, Heat-regulator for.....	A. H. Tingley.....	168, 297	Sept. 28, 1875	872	279	7	553
Hot-air register.....	H. Fritz.....	160, 514	Mar. 9, 1875	246	84	7	392
Hot-air register.....	E. A. Tuttle.....	167, 480	Sept. 7, 1875	87	27	7	418
Hot-air register.....	E. A. Tuttle.....	167, 481	Sept. 7, 1875	87	27	7	419
Hot-blast apparatus.....	H. Essex.....	165, 084	June 29, 1875	1185	381	7	1124
Hot-water heating apparatus.....	C. F. Wackwitz.....	165, 277	July 6, 1875	120	37	8	25
House:							
<i>See</i> Bird-house.....	Smoke-house.....						
Lead-corroding house.....	Warehouse.....						
Refrigerating-house.....	Wooden house.....						
House-building.....	J. N. Cberry.....	139, 247	Feb. 2, 1875	6	2	7	185
Hub.....	L. N. Bewley.....	168, 445	Oct. 5, 1875	110	37, 38	8	881
Hub.....	E. F. Friend.....	165, 225	July 6, 1875	78	23	8	119
Hub.....	A. Rimes.....	164, 936	June 29, 1875	1063	342	7	107
Hub and axle, Vehicle.....	G. R. Drew.....	163, 305	May 18, 1875	566	181	7	844
Hub-band.....	D. W. Baird.....	167, 970	Sept. 21, 1875	541	174	8	500
Hub-band.....	C. H. Liedke.....	164, 310	June 8, 1875	447	147	7	1002
Hub-borer.....	A. Bascom.....	164, 415	June 15, 1875	562	183	7	1026
Hub-boring machine.....	E. M. Henkle.....	163, 490	May 18, 1875	730	233	7	866
Hub-boring machine.....	J. Lee.....	166, 788	Aug. 17, 1875	588	161	8	299
Hub, Vehicle.....	E. Ball.....	138, 210	Sept. 28, 1875	797	253	8	542
Hub, Vehicle.....	J. C. Hendry.....	165, 097	June 29, 1875	1200	366	7	1126
Hub, Vehicle.....	D. O. Holman.....	171, 284	Dec. 21, 1875	625	204	8	1049
Hub, Vehicle.....	J. H. Lindsay.....	166, 283	Aug. 3, 1875	92	28	8	212
Hub, Vehicle-wheel.....	W. Gallan.....	162, 813	May 4, 1875	71	23	7	756
Hub, Vehicle-wheel.....	C. H. Guard.....	159, 262	Feb. 2, 1875	20	7	7	187
Hub, Vehicle-wheel.....	J. H. Hyman.....	162, 477	Apr. 27, 1875	850	273	7	707
Hub, Vehicle-wheel.....	H. A. Payne.....	158, 974	Jan. 19, 1875	599	199	7	121
Hub, Vehicle-wheel.....	A. N. Price.....	158, 737	Jan. 12, 1875	335	121	7	74
Hub, Vehicle-wheel.....	L. Rodenhausen.....	163, 258	May 11, 1875	501	163	7	819
Hub, Vehicle-wheel.....	G. L. Rouse and M. W. Stoddard.....	161, 904	Apr. 13, 1875	288	97	7	621
Hub, Vehicle-wheel.....	W. Teegarden.....	159, 123	Jan. 26, 1875	759	250	7	150
Hub, Wheel.....	R. W. Davis.....	170, 596	Dec. 14, 1875	327	108	8	1001
Hub, Wheel.....	J. Hyman.....	170, 566	Nov. 30, 1875	1232	388	8	930
Hub, Wheel.....	W. H. Masterman.....	169, 715	Nov. 9, 1875	395	124	8	794
Hubs to axles, Attaching.....	B. B. Howard.....	158, 639	Jan. 12, 1875	270	91	7	62
Hubs to axles, Device for attaching.....	D. Dalzell.....	160, 607	Feb. 23, 1875	757	250	7	308
Hubs to axles, Device for attaching.....	D. A. Johnson.....	159, 762	Feb. 16, 1875	507	170	7	268
Hubs to axles, Device for attaching.....	W. E. Pratt.....	165, 504	July 13, 1875	371	110	8	67
Huller:							
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Husking-pin.....	G. Armstrong.....	168, 078	Sept. 28, 1875	670	213	8	525
Hydrant.....	M. Allen.....	171, 206	Dec. 21, 1875	553	181	8	1039
Hydrant.....	G. C. Bailey.....	168, 599	Oct. 11, 1875	282	91	8	611
Hydrant.....	S. Blackie.....	171, 499	Dec. 28, 1875	839	275	8	1085
Hydrant.....	M. Burnett.....	158, 622	Jan. 12, 1875	254	86	7	60
Hydrant.....	H. H. Clover.....	162, 351	Apr. 20, 1875	703	229	7	681
Hydrant.....	J. O. Conner.....	170, 238	Nov. 24, 1875	921	287	8	878
Hydrant.....	D. C. Cregier.....	164, 149	June 8, 1875	293	100	7	982
Hydrant.....	J. W. R. Fisher and W. H. Fiske.....	163, 759	May 25, 1875	984	312	7	966
Hydrant.....	J. Fleming.....	167, 656	Sept. 14, 1875	257	80	8	449
Hydrant.....	W. D. Greabelle.....	169, 538	Nov. 2, 1875	192	66	8	761
Hydrant.....	G. Hillegass.....	144, 737	June 23, 1875	836	278	7	1074
Hydrant.....	W. H. McMillan.....	164, 856	June 23, 1875	966	312	7	1088
Hydrant.....	J. E. Mooney.....	166, 401	Aug. 3, 1875	263	61	8	227
Hydrant.....	J. G. Murdock.....	164, 864	June 23, 1875	974	315	7	1089
Hydrant.....	B. D. Pease and R. Campbell.....	169, 288	Oct. 26, 1875	939	305	8	720
Hydrant.....	C. F. Rapp.....	168, 413	Oct. 5, 1875	85	29	8	577
Hydrant.....	W. Scott.....	164, 489	June 15, 1875	626	202	7	1034
Hydrant, Adjustable.....	J. A. Stacy and S. W. Lewis.....	169, 738	Nov. 9, 1875	416	132	8	797
Hydrant, Anti-freezing.....	G. D. Blocher.....	161, 740	Apr. 6, 1875	132	45	7	588
Hydrant, Anti-freezing.....	R. Smeaton.....	168, 422	Oct. 5, 1875	91	32	8	578
Hydrant for fire-plugs, &c., Non-freezing.....	H. I. Chapman.....	160, 571	Mar. 9, 1875	295	100	7	400
Hydrant, Steam fire-engine.....	R. T. H. Stillman.....	166, 904	Aug. 17, 1875	697	216	8	314
Hydrant, Street.....	G. H. Clemens and G. C. Morgan.....	163, 361	May 18, 1875	616	197	7	851
Hydrant, Street.....	J. Flower.....	162, 370	Apr. 30, 1875	726	237	7	683
Hydrant street connection.....	M. F. Liard and W. T. Travis.....	171, 116	Dec. 14, 1875	432	144	8	1015
Hydrant, Water.....	J. W. Douglas.....	166, 195	Aug. 3, 1875	12	4	8	200
Hydrants, Attachment to street.....	C. M. Vergnes.....	163, 425	May 18, 1875	669	214	7	858
Hydrants from freezing, Preventing.....	B. Kent.....	171, 228	Dec. 21, 1875	572	188	8	1042
Hydraulic adjustable press.....	M. Stannard.....	167, 202	Aug. 31, 1875	1014	315	8	375
Hydraulic compress.....	E. D. Meier.....	169, 280	Oct. 26, 1875	931	302	8	719
Hydraulic elevator.....	C. W. Baldwin.....	162, 262	Apr. 20, 1875	623	203	7	671
Hydraulic elevator.....	P. Hinkle.....	164, 300	June 8, 1875	437	145	7	1000
Hydraulic elevator.....	P. P. Lane and S. R. Smith.....	153, 951	Jan. 19, 1875	577	191	7	118
Hydraulic elevator.....	W. B. Le Van.....	159, 829	Feb. 16, 1875	569	190	7	275
Hydraulic elevator.....	T. Stebins.....	170, 781	Dec. 7, 1875	116	37	8	906
Hydraulic engine.....	F. Rochow.....	161, 441	Mar. 30, 1875	1135	366	7	535
Hydraulic engine.....	W. L. Smith.....	161, 068	Mar. 23, 1875	762	251	7	480
Hydraulic jack.....	E. M. Dudgeon.....	162, 044	Apr. 13, 1875	405	136	7	636
Hydraulic jack.....	M. J. Walsh.....	170, 419	Nov. 23, 1875	1081	341	8	900
Hydraulic-lift dry-dock.....	T. A. Blake.....	168, 603	Oct. 11, 1875	226	93	8	612
Hydraulic mains, Process and apparatus for preventing accumulation of tar in.....	D. H. Fox.....	167, 755	Sept. 14, 1875	347	110	8	462
Hydraulic motor.....	A. Schmid.....	165, 879	July 20, 1875	737	225	8	134
Hydraulic-pipe distributor.....	J. M. Crawford.....	163, 363	May 18, 1875	618	197	7	851
Hydraulic press.....	C. Peper.....	163, 606	May 25, 1875	859	270	7	890
Hydraulic press.....	C. Peper.....	163, 607	May 25, 1875	859	271	7	890
Hydraulic press.....	J. P. Taylor.....	165, 891	July 20, 1875	748	229	8	136
Hydrocarbon burner.....	J. W. Neeley.....	164, 653	June 22, 1875	780	255	7	1064
Hydrocarbon burner and gas-generator.....	A. J. Griffin.....	171, 278	Dec. 21, 1875	619	202	8	1048

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Hydrocarbon-burning apparatus	J. Nelson	167,352	Aug. 31, 1875	1142	359	8	393
Hydrocarbon furnace	C. M. Gearing	158,931	Jan. 19, 1875	560	186	7	116
Hydrocarbon furnace	H. Napier	160,027	Feb. 23, 1875	774	253	7	310
Hydrocarbon furnace	P. M. Qvist	169,583	Nov. 2, 1875	244	80	8	767
Hydrocarbon furnace	J. C. Ramsden	169,842	Nov. 9, 1875	525	164	8	810
Hydrocarbon furnace	H. M. Smith	170,198	Nov. 23, 1875	884	276	8	873
Hydrocarbon furnace and atomizing apparatus	R. D. Turner	158,759	Jan. 12, 1875	371	127	7	76
Hydrocarbon furnaces, Nozzle for	H. Stacey	165,431	July 13, 1875	360	89	8	57
Hydrocarbons, Automatic vapor-test for	J. Ponton	165,612	July 13, 1875	467	143	7	81
Hydrocarbons, Burning	O. T. Earle	159,751	Feb. 16, 1875	500	107	7	267
Hydrocarbons, Burning	J. W. Nystrom	167,684	Sept. 14, 1875	280	82	8	453
Hygroscope	O. Seebass and R. Simon	159,043	Jan. 26, 1875	688	227	7	140
I.							
Ice, Apparatus for manufacture of	E. C. and R. H. Negley and J. T. Cunningham	166,713	Aug. 17, 1875	522	160	8	289
Ice-boat	W. H. Fairbank	169,794	Nov. 9, 1875	460	151	8	805
Ice-box dip-trough	I. T. Dyer and G. Powell	164,983	June 29, 1875	1028	354	7	1112
Ice-breaker	J. T. Martin	166,793	Aug. 17, 1875	592	182	8	360
Ice-breaking attachment, Vessel	J. T. Martin	164,746	June 22, 1875	864	281	7	1075
Ice-breaking vessel	E. J. Weddermann	168,436	Oct. 5, 1875	101	35	8	579
Ice-cream carrier	H. W. Wynnan	168,263	Sept. 28, 1875	793	252	8	541
Ice-cream freezer	J. W. Condon	165,545	July 13, 1875	409	122	8	73
Ice-cream freezer	W. Redheffer	165,615	July 13, 1875	472	144	8	82
Ice-cream freezer	L. B. Woolfolk	163,431	May 18, 1875	673	215	7	859
Ice-cream refrigerator	G. D. Adams	165,651	July 20, 1875	521	159	8	195
Ice-cream, Vessel for measuring	F. Watkins	166,667	Aug. 10, 1875	458	141	8	272
Ice-cream, &c., Vessel for measuring and handling	T. Burkhard	165,301	July 6, 1875	142	43	8	28
Ice-creeper	A. J. R. Phillips	166,630	Aug. 10, 1875	424	131	8	267
Ice-creeper	S. R. Phillips	159,447	Feb. 2, 1875	166	63	7	210
Ice-creeper	A. S. Willis	160,894	Mar. 16, 1875	531	172	7	436
Ice-cutting machine	C. Heisler and J. M. Deremer	162,919	May 4, 1875	164	54	7	769
Ice-cutting machine	J. Schlater	167,413	Sept. 7, 1875	31	9	8	410
Ice-elevator	X. Wittner	160,250	Feb. 23, 1875	962	317	7	337
Ice-former	S. Krauss	160,601	Mar. 9, 1875	322	109	7	404
Ice-hook	D. C. Wood	165,778	July 20, 1875	633	194	8	120
Ice-machine	J. M. Beath	168,706	Oct. 11, 1875	376	123	8	626
Ice-machine	W. H. Bowers	170,508	Nov. 30, 1875	1178	372	8	922
Ice-machine	D. Boyle	161,474	Mar. 30, 1875	1168	375	7	539
Ice-machine	D. Boyle	163,142	May 11, 1875	393	127	7	806
Ice-machine	D. Boyle	163,143	May 11, 1875	393	127	7	806
Ice-machine	D. Boyle	163,144	May 11, 1875	395	127	7	806
Ice-machine	T. Cook	171,267	Dec. 21, 1875	616	200	8	1047
Ice-machine	A. Jns	168,500	Oct. 5, 1875	161	53	8	378
Ice-machine	S. E. Martin	162,397	Apr. 20, 1875	753	245	7	687
Ice-machine	T. L. Rankin	171,168	Dec. 14, 1875	488	161	8	1022
Ice-machine	A. H. Tait	162,432	Apr. 20, 1875	785	235	7	691
Ice-machine	A. H. Tait	163,279	May 11, 1875	521	169	7	822
Ice-machine pipes, Clearing obstructions from	W. H. H. Mallory	167,181	Aug. 31, 1875	998	327	8	372
Ice-machines, Refrigerating-tank for	A. Jas	162,659	Apr. 27, 1875	1006	322	7	727
Ice-making apparatus	W. Hood	160,596	Mar. 9, 1875	318	107	7	403
Ice manufacture and machine	S. E. Martin and J. M. Beath	161,976	Apr. 13, 1875	348	117	7	629
Ice-pick	M. Cowles	167,745	Sept. 14, 1875	332	106	8	410
Ice-pick	S. Lindley	159,273	Feb. 2, 1875	28	10	7	188
Ice-pick	W C Russell	161,882	Mar. 23, 1875	971	317	7	506
Ice-pick and can-opener, Combined	T. Hagerly	162,729	July 20, 1875	589	181	8	114
Ice-pick, chisel, and hammer, Combined	A. V. M. Sprague	162,864	May 4, 1875	118	38	7	762
Ice-picker and strainer, Combined	T. Hagerly	159,545	Feb. 9, 1875	305	98	7	233
Ice-pitber	L. Evans	161,769	Apr. 6, 1875	154	53	7	591
Ice-plow	R. W. Sanborn	165,427	July 13, 1875	295	87	8	56
Ice, Storing and removing	A. Hunt	164,001	June 1, 1875	135	48	7	949
Ice-tongs	N. P. Nelson	171,413	Dec. 21, 1875	740	243	8	1064
Ice-tongs, &c., to wagons, Device for locking	L. D. Ormsby	163,236	May 11, 1875	40	156	7	817
Imitation fabrics, Manufacture of	C. H. Kuelles	165,420	July 13, 1875	288	85	6	55
Implement, Combined	P. Broadbooks	170,934	Dec. 14, 1875	264	88	8	593
Implement, Combined	L. Schaeffer	171,487	Dec. 28, 1875	821	270	8	1084
Implement, Compound	E. L. Price	159,811	Feb. 16, 1875	50	193	7	277
Imposing and printing from newspaper-forms, Method of	W. D. Hughes	165,833	July 20, 1875	695	228	8	128
Inclosure or play-house for children	H. J. Parker	169,471	Nov. 2, 1875	135	44	8	753
Incrustating compound, Anti	H. Burgess	168,222	Sept. 28, 1875	803	263	8	543
Incubator	A. Corbett	164,810	June 22, 1875	95	299	7	1082
Incubator	C. C. Weston	161,722	Apr. 6, 1875	111	39, 40	7	585
Index	C. H. Bradley	163,973	June 1, 1875	111	38	7	946
Index	A. J. Jones	160,437	Mar. 2, 1875	161	56	7	371
Index	M. A. Lovell	166,881	Aug. 3, 1875	93	28	8	212
Index	C. W. Scaton	163,267	May 11, 1875	510	165, 166	7	821
Index	C. Virgo	160,367	Mar. 2, 1875	97	36	7	363
Index clip-board	T. Orton	171,415	Dec. 21, 1875	741	243	8	1064
Index cutting and clipping machine	H. H. Edwards	168,468	Oct. 5, 1875	129	44	8	583
Index-tabs, Gage for cutting	W. N. Lovell	170,959	Dec. 14, 1875	288	97	8	996
Indexing books, Machine for	F. R. Alderman	160,137	Feb. 23, 1875	864	286	7	323
Indicator: See High and low water indicator. Level and slope indicator. Low-water indicator. Navigator's bearing-indicator. Price-indicator. Revolution-indicator. Sewer junction indicator.	Speed-indicator. Station-indicator. Steam-boiler indicator. Steam-engine pyrometrical indicator. Valve-indicator. Water and steam indicator.						

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Indicator.....	F. Ward and M. E. Amsden.....	162, 992	May 11, 1875	258	83	7	789
Indicator.....	W. L. Gallaudet.....	168, 475	Oct. 5, 1875	137	40	8	585
Indicator-lock.....	J. H. Kinsman.....	162, 663	Apr. 27, 1875	1010	{ 323 324 }	7	728
Indicator-lock.....	L. R. Norman.....	170, 889	Dec. 7, 1875	295	71	8	978
Induction-coil.....	J. R. Chislett.....	168, 451	Oct. 5, 1875	116	39, 40	8	582
Induction-coil.....	J. C. Vetter.....	166, 488	Aug. 10, 1875	305	92	8	249
Infusious and beverages, Composition for.....	W. A. Martin.....	170, 286	Nov. 23, 1875	962		8	881
Ingot-mold.....	J. Illingworth.....	166, 700	Aug. 17, 1875	507	155	8	287
Ingot-mold.....	T. P. Moorwood.....	158, 728	Jan. 12, 1875	348	118	7	73
Inhaler.....	C. R. Sykes.....	166, 729	Aug. 17, 1875	536	164	8	292
Inhaler, Nasal.....	J. H. Yates and C. R. Treat.....	167, 209	Aug. 31, 1875	1621	317	8	375
Inhaler, Pocket.....	T. E. Daniels.....	165, 799	July 20, 1875	656	202	8	123
Injector.....	S. Fowden.....	166, 762	Aug. 17, 1875	565	173	8	296
Injector.....	G. H. Little.....	165, 843	July 29, 1875	705	215	8	129
Injector.....	W. H. Newell.....	161, 815	Apr. 6, 1875	196	66	7	597
Injector.....	W. P. Patton.....	162, 852	May 4, 1875	106	34	7	761
Injector.....	W. P. Patton.....	164, 027	June 1, 1875	159	56	7	952
Injector attachment.....	D. Lees.....	159, 587	Feb. 9, 1875	334	110	7	238
Injector for acro-steam engines, Air.....	W. M. Storm.....	168, 678	Oct. 11, 1875	352	115	8	633
Injector or ejector, Steam-engine.....	G. H. Little.....	163, 876	June 1, 1875	35	11	9	935
Injector, Steam.....	D. Fergus.....	162, 368	Apr. 20, 1875	721	235	7	683
Injector, Steam-boiler.....	W. T. Messinger.....	170, 756	Dec. 7, 1875	94	30	8	963
Injector, Steam-boiler.....	W. Randall.....	170, 299	Nov. 23, 1875	973	304	8	885
Ink, Copying.....	A. J. Dexter.....	167, 878	Sept. 21, 1875	473		8	489
Ink-powder.....	W. A. Bonney.....	170, 513	Nov. 30, 1875	1185		8	923
Ink, Preparing carmine printing.....	C. J. and C. Briedbach.....	168, 134	Sept. 28, 1875	729		8	532
Ink-saucer, Draftsman's.....	F. Stith.....	169, 597	Nov. 2, 1875	258	83	8	769
Ink-well.....	C. H. Brown.....	161, 926	Apr. 13, 1875	319	103	7	624
Inkstand.....	S. Darling.....	164, 171	Feb. 23, 1875	895	295	7	327
Inkstand.....	S. Darling.....	164, 721	June 22, 1875	841	274	7	1072
Inkstand.....	S. Darling.....	169, 152	Oct. 26, 1875	818	265	8	703
Inkstand.....	H. Schirmer.....	169, 735	Nov. 9, 1875	414	131	8	796
Inkstand-base.....	S. Rosenfeld.....	168, 673	Oct. 11, 1875	349	114	8	632
Inkstand-cover.....	J. N. Wallis and F. M. Harbach.....	139, 724	Feb. 9, 1875	454	152	7	255
Inlaying jet with metal.....	W. Stephans.....	162, 586	Apr. 27, 1875	944	303	7	719
Insect-destroyer.....	W. T. Tongue.....	162, 716	Apr. 27, 1875	1070	{ 341 }	7	734
Insect-destroying composition.....	J. B. Douglass and E. S. Green.....	164, 533	June 15, 1875	661		7	1039
Insect-destroying compound.....	G. W. Davis.....	166, 917	Aug. 24, 1875	723		8	317
Insect-destroying compound.....	E. Wilkins.....	165, 289	July 6, 1875	131		8	27
Insect-destroying furnace.....	W. F. Woolsey.....	167, 722	Sept. 14, 1875	313	99	8	458
Insect-powder box.....	W. J. Van Patten.....	165, 276	July 6, 1875	119	36	8	25
Insect-powder injector.....	A. Meyer.....	163, 877	June 1, 1875	36	12	7	935
Insects, Device for applying compounds to plants for destroying.....	O. S. Warner.....	162, 781	May 4, 1875	42	13	7	752
Insects, Metal switch for killing.....	S. A. Dorrisson.....	161, 870	Apr. 13, 1875	260	87	7	617
Insulating-block for telegraph-wires.....	G. S. Pidgeou.....	161, 058	Mar. 23, 1875	754	248	7	479
Insulating compound.....	I. Smith.....	158, 568	Jan. 19, 1875	495	167	7	108
Insulating metal wire.....	H. Splidtdorf.....	171, 165	Dec. 14, 1875	501	165	8	1024
Insulating telegraph-wire, Compound for.....	A. A. Maglaughlin.....	163, 221	May 11, 1875	466		7	815
Invalid-chair.....	W. Burch.....	161, 748	Apr. 6, 1875	137	47	7	588
Iron:							
<i>See</i> Carriage-seat iron.....	Plow-iron.....						
Curling-iron.....	Polishing or sad iron.....						
Fire-iron.....	Sad-iron.....						
Flat-iron.....	Sad and fluting iron.....						
Fluting iron.....	Sheet-iron.....						
Fluting and polishing-iron.....	Soldering-iron.....						
iron.....	Vehicle chafing-iron.....						
Hat-iron.....	Wagon-body stay-iron.....						
Holdback-iron.....	Wrought-iron.....						
Plane-iron.....							
Iron and steel, Apparatus for manufacturing.....	J. B. Pearse.....	164, 029	June 1, 1875	161	57, 58	7	953
Iron and steel direct from ore, Furnace for the manufacture of.....	W. A. Stephens.....	167, 800	Sept. 14, 1875	388	124	8	468
Iron and steel from the ore, Apparatus for producing.....	W. A. Little.....	169, 560	Nov. 2, 1875	219	72	8	764
Iron and steel, Manufacture of.....	A. G. Cook.....	166, 454	Aug. 10, 1875	278		8	246
Iron and steel, Manufacture of.....	E. A. and J. A. Jones.....	171, 024	Dec. 14, 1875	348		8	1004
Iron and steel, Manufacture of.....	C. W. Siemens.....	159, 712	Feb. 9, 1875	442	{ 148 149 }	7	292
Iron chair, Adjustable.....	G. Wilson.....	162, 447	Apr. 20, 1875	801	260	7	634
Iron, &c., Compound for coating.....	D. R. Brownlow and G. W. Francis.....	165, 658	July 20, 1875	527		8	105
Iron-cutting machine.....	J. A. Lakey and J. G. Mills.....	171, 233	Dec. 21, 1875	579	189	8	1042
Iron into steel, Converting.....	M. S. Foot and G. R. Henry.....	159, 402	Feb. 2, 1875	145		7	205
Iron into steel, Converting old.....	A. Julien.....	163, 060	May 11, 1875	338		7	799
Iron into steel, Process of converting.....	C. L. Jeffords.....	170, 173	Nov. 23, 1875	863		8	870
Iron, Manufacture of.....	J. F. Bennett.....	161, 320	Mar. 30, 1875	1021		7	521
Iron, Manufacture of.....	A. C. Lewis.....	162, 263	Sept. 22, 1875	844		8	510
Iron, Manufacture of sheet.....	J. Ellis.....	163, 657	June 1, 1875	29	6	7	933
Iron, Melting and treating.....	W. Sletcher, Jr.....	168, 293	Sept. 28, 1875	868	278	8	552
Iron, Pile for bar.....	W. F. Durfee.....	162, 159	Apr. 20, 1875	529	174	7	659
Iron polishing machine, Sheet.....	D. M. Reynolds.....	164, 329	June 8, 1875	462	153	7	1004
Iron post, Wrought.....	L. Soulerin.....	168, 851	Oct. 19, 1875	537	170	8	654
Iron, Process and furnace for manufacturing.....	G. J. and S. J. Shimer.....	165, 375	July 6, 1875	213	64, 65	8	38
Iron, Refining cast.....	A. Warner.....	170, 420	Nov. 23, 1875	1081		8	901
Iron tubes, Machine for rounding and sealing the ends of wrought.....	D. C. Stilson.....	163, 588	Oct. 11, 1875	373	88	8	610
Ironing and kitchen table.....	A. Aitken.....	164, 704	June 22, 1875	822	270	7	1070
Ironing apparatus.....	J. G. Crawford.....	161, 594	Apr. 6, 1875	6	2	7	569
Ironing apparatus.....	J. W. Gardner.....	164, 441	June 15, 1875	584	190	7	1029
Ironing apparatus.....	R. H. Gardner.....	169, 250	Oct. 26, 1875	904	293	8	715
Ironing apparatus.....	N. Hall.....	164, 832	June 22, 1875	943	305	7	1085
Ironing apparatus.....	H. E. Smith.....	166, 647	Aug. 10, 1875	440	136	8	269

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Ironing apparatus	H. E. Smith	166,648	Aug. 10, 1875	441	136	8	270
Ironing apparatus	H. E. Smith	167,589	Sept. 7, 1875	176	55	8	431
Ironing-board	H. C. Green	162,815	May 4, 1875	73	23	7	756
Ironing-board	G. E. Hollister	164,998	June 29, 1875	1112	358	7	1114
Ironing-board	A. Iske	158,844	Jan. 19, 1875	474	159	7	105
Ironing-board	M. E. Moore	161,053	Mar. 23, 1875	759	247	7	478
Ironing-board	S. B. Morrell	159,111	Jan. 26, 1875	750	246	7	149
Ironing-board	O. S. Pride	166,809	Aug. 17, 1875	607	188	8	302
Ironing-board	W. M. Tobey	169,600	Nov. 2, 1875	360	84	8	769
Ironing-board	J. Watson	168,069	Sept. 21, 1875	634	207	7	514
Ironing-board and step-ladder, Combined	I. L. Landis	158,718	Jan. 12, 1875	340	116	7	72
Ironing-machine	G. F. Perrenot	162,854	May 4, 1875	109	35	7	761
Ironing-table	J. L. Brown	164,906	June 29, 1875	1085	330	7	1110
Ironing-table	O. F. Burlingame	164,258	June 8, 1875	396	124	7	995
Ironing-table	G. K. Edwards	159,752	Feb. 16, 1875	501	167	7	267
Ironing-table	J. W. Field	167,886	Sept. 21, 1875	481	152	8	490
Ironing-table	J. Finfrock	170,837	Dec. 7, 1875	163	55	8	972
Ironing-table	S. W. Fraley	164,288	June 8, 1875	425	142	7	999
Ironing-table	P. H. Gaffney	163,371	May 18, 1875	625	209	7	752
Ironing-table	A. C. Gilbert	160,893	Mar. 16, 1875	601	196	7	449
Ironing-table	W. P. Hall	170,848	Dec. 7, 1875	172	59	8	973
Ironing-table	S. C. Hamlin	160,991	Mar. 16, 1875	608	198	7	473
Ironing-table	J. S. Hays	170,366	Nov. 23, 1875	1028	323	8	894
Ironing-table	E. S. Heath	165,672	July 20, 1875	540	115	7	107
Ironing-table	Z. M. Hibbard	164,171	June 8, 1875	316	107	7	985
Ironing-table	H. P. Hinz and F. Gehrke	164,199	May 11, 1875	450	145	7	813
Ironing-table	W. J. Hughes and J. A. Lockard	167,535	Sept. 7, 1875	138	42	4	425
Ironing-table	E. B. Lake	160,208	Feb. 23, 1875	926	34	7	332
Ironing-table	A. Larkin	159,688	Feb. 9, 1875	423	140	7	251
Ironing-table	L. P. Lawrence	171,393	Dec. 21, 1875	723	237	8	1061
Ironing-table	E. C. McClain	166,881	Aug. 17, 1875	677	210	8	312
Ironing-table	M. Newman	167,112	Aug. 24, 1875	511	284	8	353
Ironing-table	T. R. Roland	160,236	Feb. 23, 1875	952	312	7	336
Ironing-table	C. Rumens	165,511	July 13, 1875	378	112	8	68
Ironing-table	A. H. Swain	169,826	Nov. 16, 1875	615	191	8	830
Ironing-table	G. H. Thompson	162,587	Apr. 27, 1875	945	303	7	719
Ironing-table	E. J. Wolfmont	162,133	Apr. 13, 1875	487	161	7	646
Ironing-table	J. N. Wunderlich	165,908	July 20, 1875	764	233	8	138
<b>J.</b>							
Jack:							
See Boot-jack.	Painter's jack.						
Carriage-jack.	Pegging-jack.						
Carrying-jack.	Pressing and stowing-jack.						
Chimney-jack.	Spinning-jack.						
Cotton-jack.	T-hill-comping jack.						
Hydraulic jack.	Wagon-jack.						
Lifting-jack.							
Jacket, Hunting	H. L. Daigre	168,622	Oct. 11, 1875	302	98	8	615
Jails, Construction of	J. A. Seeber and J. C. Croxton	168,929	Oct. 19, 1875	591	195	8	664
Jar:							
See Covered jar.	Preserving-jar.						
Fruit-jar.	Stoneware-jar.						
Jar-lifter	W. W. Brewer	164,968	June 29, 1875	1088	350	7	1110
Jelly-cup	E. F. Cash	170,815	Dec. 7, 1875	145	44	8	970
Jelly-press	W. W. Bostwick	162,147	Apr. 20, 1875	516	170	7	658
Jelly-press, Hand	V. Knecht	163,210	May 11, 1875	457	144	7	814
Jeweler's screw-press	J. E. Potter and A. J. Richardson	167,019	Aug. 24, 1875	822	256	8	341
Jewelry, Braided	W. W. Alden	169,940	Nov. 16, 1875	627	194	8	831
Jewelry, Die for forming bezels on metallic backs for	C. Knapp	161,969	Apr. 13, 1875	343	115	7	628
Jewelry, Die for making metallic bases for	G. Stetter	160,967	Mar. 16, 1875	667	218	7	458
Jewelry-pin	I. B. Abrahams	166,057	July 27, 1875	917	283	8	171
Jib-hank	C. W. Clements	163,577	May 25, 1875	827	262	7	886
Jigger	J. B. Wilford	168,698	Oct. 11, 1875	370	121	8	625
Joiner's clamp	W. J. Donley	167,314	Aug. 31, 1875	1109	349	8	359
Joiner's clamp	D. A. Fisher, jr.	162,281	Apr. 20, 1875	639	209	7	673
Joiner's clamp	G. A. Naumann	169,027	Oct. 19, 1875	682	224	8	676
Joint:							
See Bridge-joint.	Railway-rail joint.						
Felly-joint.	Shell-joint.						
Glue-joint.	Stove-pipe joint.						
Hose-joint.	Tube-joint.						
Lead-pipe joint.	Universal joint.						
Pipe-joint.	Vehicle-top joint.						
Plumber's joint.							
Journal and bearing	G. A. Chapman	161,665	Apr. 6, 1875	68	24	7	579
Journal balance-wheel	T. Van Dyke	161,915	Apr. 13, 1875	299	100	7	623
Journal-bearing	G. Draper	171,359	Dec. 21, 1875	688	227	8	1057
Journal-bearing	A. B. G. A. Williams	165,397	July 6, 1875	245	74	8	41
Journal-bearing and pitman-connection	C. Wheeler, jr.	163,707	May 25, 1875	938	298	7	900
Journal-bearings, Composition for	L. W. Lathrop and T. A. Weber	165,937	July 27, 1875	807	262	8	156
Journal-bearings, Heat-indicator for	S. Alley	165,780	July 20, 1875	635	195	8	110
Journal-box	D. A. Deming and S. W. Wickes	158,375	Jan. 12, 1875	212	72	7	54
Journal-box	P. Durno	169,243	Oct. 26, 1875	896	291	8	714
Journal-box	L. J. Ives and J. Leary	159,579	Feb. 9, 1875	327	107	7	237
Journal-box	J. Schellkopf	168,787	Oct. 11, 1875	450	147	8	636
Journal-box	J. F. Seiberling	169,049	Oct. 19, 1875	702	232	8	679
Journal-box for shaft-hangers	J. Greenwood	159,260	Feb. 2, 1875	19	6	7	187
Journal-box lubricator	H. E. Smith	170,907	Dec. 7, 1875	222	75	8	980
Journal-box, Self-lubricating	W. Dame	163,160	May 11, 1875	412	131	7	808
Journal stud or crank-pin	O. E. Seymour	163,892	June 1, 1875	47	16	7	937
Jug and saucer, Combined	A. French	170,946	Dec. 14, 1875	276	92	8	995



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Jug-top.....	H. Wright.....	163,560	May 18, 1875	798	253	7	874
K.							
Kaleidorama.....	A. C. Ferris and C. E. School.....	163,173	May 11, 1875	424	137	7	810
Kaleidoscope.....	J. F. Adams.....	169,882	Nov. 16, 1875	577	179	8	825
Keel for boats.....	A. Stevenson.....	167,036	Aug. 24, 1875	834	260	8	343
Kegs, Manufacturing of nail.....	S. F. Maxwell.....	159,945	Feb. 16, 1875	677	224	7	290
Kettle for heating or cooking by steam.....	G. W. Walker.....	160,857	Mar. 16, 1875	570	186	7	444
Kettles, Copper bottom for.....	A. Cummings.....	163,747	May 25, 1875	975	309	7	905
Key:							
<i>See</i> Door-key.....	Telegraph-key.....						
Hose-key.....	Watch-key.....						
Organ-key.....							
Key-book.....	J. H. Gates.....	170,668	Dec. 7, 1875	14	4	8	953
Key-fastener.....	R. F. Gibson.....	162,282	Apr. 20, 1875	639	209	7	673
Key-fastener.....	J. Knight.....	167,674	Sept. 14, 1875	271	85	8	451
Key-fastener.....	B. J. Loomis.....	167,107	Aug. 24, 1875	906	283	8	352
Key-fastener.....	H. Stretcher.....	163,822	May 25, 1875	1037	328	7	914
Key-fastener.....	J. Thornton.....	162,259	Apr. 20, 1875	620	202	7	671
Key-fastener.....	W. W. White.....	168,693	Oct. 11, 1875	363	119	8	624
Key-fastener, Adjustable.....	E. B. Everitt.....	164,281	June 8, 1875	418	140	7	998
Key-holder.....	F. W. Coleman.....	165,794	July 20, 1875	651	200	8	122
Key-hole escutcheon.....	H. T. Blakc.....	159,382	Feb. 2, 1875	125	41	7	202
Key-hole guard.....	F. W. Bechmann.....	170,701	Dec. 7, 1875	44	13	8	956
Key-hole guard.....	J. Goldstein.....	164,992	June 29, 1875	1106	357	7	1113
Key-hole guard.....	J. La Blanc and X. St. Pierre.....	169,178	Oct. 26, 1875	840	274	8	707
Key-hole guard for locks.....	H. Cochenus.....	168,375	Oct. 5, 1875	50	18	8	572
Key-ring.....	W. L. Denio and W. E. Neer.....	168,832	Oct. 19, 1875	501	163	8	651
Key-ring.....	G. W. Jopson.....	168,258	Sept. 28, 1875	839	268	8	548
Key-ring.....	J. H. Sanford.....	164,105	June 8, 1875	258	88	7	977
Key-ring.....	N. Stafford.....	161,174	Mar. 23, 1875	863	282	7	492
Key-ring.....	H. Tilden.....	160,970	Mar. 16, 1875	670	219	7	458
Kiln:							
<i>See</i> Brick-kiln.....	Lime-kiln.....						
Calcining-kiln.....	Malt-kiln.....						
Charcoal-kiln.....	Peat-kiln.....						
Drying-kiln.....							
Kindling material.....	W. S. Tisdale.....	159,001	Jan. 19, 1875	627	.....	7	125
King-bolt.....	C. G. Lazear.....	161,799	Apr. 6, 1875	178	61	7	595
King-bolt.....	L. Pentz.....	161,150	Mar. 23, 1875	844	275	7	489
King-bolt.....	A. G. Pickett, jr.....	169,728	Nov. 9, 1875	408	129	8	796
King-bolt bearing.....	G. J. Orr.....	158,971	Jan. 19, 1875	597	198	7	121
King-bolt, Vehicle.....	E. Freeman.....	166,693	Aug. 17, 1875	502	153	8	286
King-bolt, Wagon.....	W. Truax.....	166,323	Aug. 3, 1875	126	39	8	217
Kitchen-table.....	J. C. Ricketts.....	162,288	Sept. 28, 1875	865	277	8	551
Kitchen-tool.....	J. A. Simonds.....	163,416	May 18, 1875	663	212	7	857
Kitchen utensil.....	J. C. Noble.....	170,888	Dec. 7, 1875	204	71	8	978
Kitchen utensil.....	T. S. Page.....	170,295	Nov. 23, 1875	969	303	8	885
Kitchen-ventilator.....	J. V. Montgomery.....	170,880	Dec. 7, 1875	197	68	8	977
Kneading-board.....	T. M. Holson.....	163,200	May 11, 1875	450	145	7	813
Knecding-roller.....	D. C. Knowles.....	164,095	June 8, 1875	250	86	7	976
Knife:							
<i>See</i> Corn-stalk knife.....	Pocket-knife.....						
Harn'ss-knife.....	Shoe-knife.....						
Harvest-knife.....	Shoemaker's knife.....						
Hay-knife.....	Tobacco-knife.....						
Mowing-machine knife.....	Welt-knife.....						
Oyster-knife.....							
Knife and tape-line, Combined.....	G. S. Hastings.....	166,099	July 27, 1875	961	296	8	177
Knife-cleaner.....	F. A. Phillips.....	162,415	Apr. 20, 1875	771	250	7	689
Knife, corkscrew, and shield, Combined.....	J. S. Jenness.....	161,124	Mar. 23, 1875	822	269	7	487
Knife-grinding machine.....	J. S. Elliott.....	163,369	May 18, 1875	623	197	7	852
Knife-polisher.....	A. M. De Hart.....	168,237	Sept. 28, 1875	819	260	8	545
Knife-scourer.....	J. H. Clapham.....	168,083	Sept. 24, 1875	678	215	8	525
Knife-scouring machine.....	C. G. Singer.....	167,200	Aug. 31, 1875	1012	315	8	375
Knife sharpener and polisher.....	E. A. Bushell.....	168,717	Oct. 11, 1875	386	126	8	627
Knit fabric.....	F. A. Calley.....	164,362	June 15, 1875	509	168	7	1019
Knit goods, &c., Uniting.....	H. A. Blanchard.....	167,492	Sept. 7, 1875	96	30	8	420
Knitted garment.....	N. H. Bruce.....	159,891	Feb. 16, 1875	630	209	7	283
Knitted trimming.....	G. M. Gerushym.....	163,985	June 1, 1875	121	41	7	947
Knitting-machine.....	C. J. Appleton.....	169,331	Nov. 2, 1875	5	2	8	735
Knitting-machine.....	C. J. Appleton.....	171,466	Dec. 28, 1875	801	264	8	1081
Knitting-machine.....	D. Bickford.....	162,886	May 4, 1875	135	41	7	705
Knitting-machine.....	D. Bickford.....	168,216	Sept. 28, 1875	801	255	8	543
Knitting-machine.....	W. W. Butson and J. Nelson.....	170,468	Nov. 30, 1875	1142	360	8	917
Knitting-machine.....	E. P. Curtiss.....	159,750	Feb. 16, 1875	429	167	7	266
Knitting-machine.....	E. P. Curtiss.....	161,008	Mar. 23, 1875	709	234	7	473
Knitting-machine.....	J. Kent and E. Leeson.....	160,685	Mar. 9, 1875	392	132	7	414
Knitting-machine.....	I. and A. Tompkins.....	166,321	Aug. 3, 1875	125	39	8	217
Knitting-machine and knit fabrics.....	F. Burns.....	167,301	Aug. 31, 1875	1098	345	8	387
Knitting-machine, Circular.....	E. P. Curtiss.....	161,009	Mar. 23, 1875	711	235	7	473
Knitting-machine for making bullion fringe.....	E. P. Curtiss.....	165,311	July 6, 1875	152	46	8	29
Knitting-machine measuring device.....	J. P. Reisinger.....	163,410	May 18, 1875	639	210	7	856
Knitting-machine needle.....	C. J. Appleton.....	169,943	Nov. 16, 1875	630	195	8	831
Knitting-machine needle.....	S. Peberdy.....	162,412	Apr. 20, 1875	768	219	7	688
Knitting-machine take-up.....	I. and A. Tompkins.....	163,149	May 11, 1875	371	121	7	803
Knitting-machine, Welt-thread.....	C. L. Spencer.....	160,478	Mar. 2, 1875	198	68	7	377
Knitting-machine, Welt-thread.....	N. W. Wescott.....	166,831	Aug. 17, 1875	623	191	8	305
Knitting-machines, Landing-wheel for.....	R. W. Gornly.....	168,983	Oct. 19, 1875	678	211	8	671
Knitting stockings, &c.....	F. W. Polle, L. Keisker, and S. Polle.....	167,563	Sept. 7, 1875	161	51	8	429
Knob, Door.....	J. W. Haines.....	159,509	Feb. 9, 1875	271	88	7	229

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Knob, Door	S. Hiler	160, 908	Mar. 16, 1875	613	200	7	450
Knob, Door	C. Robstock	162, 418	Apr. 20, 1875	772	251	7	689
Knob fastening, Door	J. B. Wells	159, 486	Feb. 2, 1875	231	75	7	216
Knob-rose	S. Hiler	160, 907	Mar. 16, 1875	612	200	7	450
Knob-rose	J. Moore	167, 266	Aug. 31, 1875	1068	333	8	382
Knob-shanks, Manufacture of metal	J. P. Adams	165, 972	July 27, 1875	839	258	8	160
Knobs and handles, Swing-joint for	E. M. Lockwood	171, 027	Dec. 14, 1875	350	117	8	1004
Knobs, Process of manufacturing porcelain door	N. Bock	168, 826	Oct. 19, 1875	496	162	8	651
Knobs to spindles, Attaching	C. Coleman	169, 421	Nov. 2, 1875	92	28	8	747
Knock-down table	F. P. Beaver	169, 764	Nov. 9, 1875	451	142	8	801
L.							
Label and tag machine	C. E. Sawyer	166, 940	Aug. 24, 1875	744	230	8	330
Label-holder	C. F. Barker	163, 566	May 25, 1875	818	259	7	885
Lace-machine	E. Malhere	165, 941	July 27, 1875	810	248 249	8	156
Ladder	D. Albergbright	159, 627	Feb. 9, 1875	362	120	7	243
Ladder	W. Case and J. H. Read, jr.	169, 236	Oct. 26, 1875	890	289	8	713
Ladder	I. and C. Erskine	162, 364	Apr. 20, 1875	718	234	7	682
Ladder	A. S. Miller	166, 883	Aug. 17, 1875	679	210	8	312
Ladder, Extensible	E. Clark	163, 049	May 11, 1875	309	99	7	795
Ladder, Extensible fire	J. M. Birchler	163, 725	May 25, 1875	956	300	7	903
Ladder, Extensible fire	B. F. Covel, R. L. Chace, and J. M. Weaver	163, 580	May 25, 1875	830	262 263	7	886
Ladder, Extension	W. T. Core	168, 378	Oct. 5, 1875	53	19	8	572
Ladder, Extension	J. M. Davis	161, 010	Mar. 23, 1875	712	235	7	473
Ladder, Extension	W. B. Elliott	163, 556	June 1, 1875	18	6	7	933
Ladder, Extension	R. Gilchrist	164, 442	June 15, 1875	585	199	7	1029
Ladder, Extension	J. B. Mahony	159, 521	Feb. 9, 1875	285	92	7	231
Ladder, Fire-escape	M. Davis	159, 022	Jan. 26, 1875	671	219	7	138
Ladder, Fire-escape	J. A. Grishon	170, 846	Dec. 7, 1875	170	58	8	973
Ladder, Fire-escape	A. Oberndorf, jr., and E. Frank	158, 730	Jan. 12, 1875	350	119	7	73
Ladder, Fire-escape	D. Sanford	158, 984	Jan. 19, 1875	611	203	7	123
Ladder, Fire-escape	D. Sanford	164, 769	June 22, 1875	880	257	7	1077
Ladder, Firemen's	P. P. Carnes	160, 081	Feb. 23, 1875	821	269	7	317
Ladder, Firemen's	M. Crouin	168, 233	Sept. 28, 1875	815	250	8	545
Ladder, Firemen's	C. Ward	168, 947	Oct. 19, 1875	603	200	8	666
Ladder, Firemen's extension	A. Ames	165, 525	July 13, 1875	388	116	8	70
Ladder, Firemen's extension	H. Bastian, sr.	162, 882	May 4, 1875	132	43	7	764
Ladder, Firemen's extension	S. Konz	167, 342	Aug. 31, 1875	1134	356 357	8	392
Ladder, Firemen's extension	P. Peterson	162, 856	May 4, 1875	110	35	7	761
Ladder, Firemen's extension	J. D. Rowland	165, 618	July 13, 1875	477	145	8	83
Ladder, Firemen's folding	J. C. Christinger	168, 875	Oct. 19, 1875	537	176	8	657
Ladder, Step	J. Blauvelt	163, 044	May 11, 1875	306	98	7	794
Ladder, Step	G. Grunewald	159, 319	Feb. 2, 1875	77	26	7	194
Ladder, Step	B. G. Hildreth	164, 683	June 22, 1875	804	263	7	1067
Ladder, Step	J. L. Isaacs and R. Holliday	162, 675	Apr. 13, 1875	431	144	7	639
Ladder, Step	J. L. Isaacs and R. Holliday	163, 205	May 11, 1875	453	146	7	813
Ladder, Step	M. N. Lovell	170, 960	Dec. 14, 1875	388	97	8	997
Ladder, Step	W. L. Potter	161, 059	Mar. 23, 1875	754	248	7	479
Ladder, Step	J. J. Stephan	167, 037	Aug. 24, 1875	834	260	8	343
Ladder, Step	H. P. Stichter	163, 114	May 11, 1875	368	120	7	803
Ladder, Step	R. S. Van Zandt	159, 126	Jan. 26, 1875	761	250	7	151
Ladle	S. Curtis and E. H. Rowley	165, 071	June 29, 1875	1175	378	7	1123
Ladle-stopper	H. Swack	161, 644	Apr. 6, 1875	48	18	7	576
Lamp	A. Albertson	160, 069	Feb. 23, 1875	811	266	7	315
Lamp	J. S. and T. B. Atterbury	161, 609	June 22, 1875	792	259	7	1065
Lamp	C. E. Ball	171, 081	Dec. 14, 1875	402	134	8	1011
Lamp	G. A. Beidler	166, 582	Aug. 10, 1875	381	117	8	261
Lamp	E. Blackman	167, 871	Sept. 21, 1875	467	148	8	488
Lamp	A. M. Blake	159, 361	Feb. 2, 1875	124	43, 44	7	201
Lamp	J. W. Carter	170, 522	Nov. 30, 1875	1180	376	8	924
Lamp	J. W. Carter	170, 523	Nov. 30, 1875	1161	376	8	924
Lamp	J. A. Everts	171, 111	Dec. 14, 1875	429	143	8	1015
Lamp	A. French	171, 608	Dec. 28, 1875	939	307	8	1099
Lamp	J. B. Godwin	165, 726	July 20, 1875	536	180	8	114
Lamp	F. Kampf	160, 683	Mar. 9, 1875	390	132	7	414
Lamp	J. Mayer	167, 348	Aug. 31, 1875	1140	358	8	393
Lamp	C. McKinnon	161, 016	June 1, 1875	150	53	7	951
Lamp	R. S. Merrill	163, 505	May 18, 1875	748	238	7	868
Lamp	H. G. Mochring	159, 700	Feb. 9, 1875	432	145	7	232
Lamp	S. S. Newton	167, 113	Aug. 24, 1875	911	284	8	353
Lamp	B. B. Schneider	167, 128	Aug. 24, 1875	921	288	8	355
Lamp	B. B. Schneider	167, 792	Sept. 14, 1875	380	122	8	467
Lamp	C. F. Spencer	171, 537	Dec. 28, 1875	872	285	8	1090
Lamp	G. M. Stevens	171, 540	Dec. 28, 1875	874	285	8	1090
Lamp	A. G. Storey and T. J. Lewis	160, 848	Mar. 16, 1875	564	184	7	443
Lamp	F. A. Taber	169, 497	Nov. 2, 1875	156	51	8	756
Lamp	G. W. Vernon	169, 318	Oct. 26, 1875	971	315	8	724
Lamp and gas-machine, Combined street	G. T. Parry	165, 490	July 13, 1875	366	108	8	66
Lamp and lantern, Combined	G. A. Beidler	164, 254	June 8, 1875	392	133	7	995
Lamp and oil-can, Combined	W. Roberts	164, 766	June 22, 1875	878	286	7	1077
Lamp attachment	T. C. Lawrence	161, 798	Apr. 6, 1875	178	61	7	594
Lamp attachment	L. Tobey	167, 281	Aug. 31, 1875	1079	337	8	364
Lamp-black apparatus	P. Neff	162, 679	Apr. 27, 1875	1033	330	7	730
Lamp-black apparatus	P. Neff	166, 936	Aug. 24, 1875	739	229	8	329
Lamp-black, Apparatus for making	P. Neff	163, 027	May 11, 1875	291	94	7	793
Lamp-black, Apparatus for manufacture of	J. Howarth	161, 039	Mar. 23, 1875	738	243	6	476
Lamp-black, Apparatus for manufacture of	P. Neff	162, 492	Apr. 27, 1875	864	277	7	709
Lamp-black, Gas-burner for the manufacture of	P. Neff	160, 787	Mar. 16, 1875	516	166	7	437
Lamp-black, Gas-burner for the manufacture of	P. Neff	163, 789	Mar. 16, 1875	518	167	7	437
Lamp-black, Manufacture of	L. S. Fales and P. Neff	160, 759	Mar. 16, 1875	486	167	7	431
Lamp-black, Manufacture of	P. Neff	160, 786	Mar. 16, 1875	515	167	7	437
Lamp-black, Manufacture of	P. Neff	160, 788	Mar. 16, 1875	516	167	7	437

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Lamp-hovls, &c., to pedestals, Attaching	S. S. Barric	167, 053	Aug. 24, 1875	851	265	8	345
Lamp-bracket	D. Barcelas	168, 705	Oct. 11, 1875	376	123	8	626
Lamp, Bracket	C. V. Best	159, 747	Feb. 16, 1875	495	166	7	266
Lamp-bracket	H. G. Hubou	162, 171	Apr. 20, 1875	539	177	7	660
Lamp-cap and shade-holder	W. R. Park	159, 408	Jan. 26, 1875	836	274	7	461
Lamp, Car	M. Hicks and T. Smith	160, 697	Feb. 23, 1875	833	274	7	318
Lamp, Car	J. B. Hoyt	159, 324	Feb. 2, 1875	80	27	7	195
Lamp, Car	J. Kirby, jr.	158, 500	Jan. 5, 1875	131	44, 45	7	27
Lamp, Car	F. Rhind	163, 755	July 20, 1875	611	188	8	117
Lamp, Carriage	F. C. Cannon	162, 698	May 4, 1875	147	47	7	766
Lamp-chimney	W. H. Barnard	165, 912	July 27, 1875	789	239	8	153
Lamp-chimney	G. M. Bull	168, 871	Oct. 19, 1875	535	175	8	656
Lamp-chimney	G. Niedermair	163, 116	June 29, 1875	1215	391	7	1125
Lamp-chimney	R. Norris	165, 361	July 6, 1875	199	60	8	36
Lamp-chimney	O. D. Warfield	163, 826	May 25, 1875	1040	330	7	914
Lamp-chimney	E. D. Wright and C. H. Kenney	159, 011	Jan. 19, 1875	634	210	7	136
Lamp-chimney attachment	H. Johnson	161, 339	Mar. 30, 1875	1039	338	7	523
Lamp-chimney, Mica	W. E. Johnson	163, 266	May 11, 1875	454	147	7	814
Lamp-chimneys, Box for packing	N. Harris	162, 285	Apr. 20, 1875	632	210	7	614
Lamp-chimneys, Machine for flaring and crimping	P. Zimmerman	170, 616	Nov. 30, 1875	1253	405	8	936
Lamp-chimneys, Mold for pressing glass	T. B. Atterbury	168, 863	Oct. 19, 1875	528	173	8	653
Lamp-chimneys, Tool for finishing	J. Lowry	170, 283	Nov. 23, 1875	957	300	8	883
Lamp-chimneys, &c., Tool for flaring and crimping	T. B. Atterbury	170, 431	Nov. 30, 1875	1108	349	8	913
Lamp-collar	F. J. Seymour	161, 065	Mar. 23, 1875	759	250	7	479
Lamp collar and filler, Non-explosive	J. A. S. Hanford	162, 646	Apr. 23, 1875	993	319	7	725
Lamp, Cooking	G. P. Houston	163, 202	May 11, 1875	452	146	9	813
Lamp, Divers'	C. Marschalk	168, 038	Sept. 21, 1875	609	196	8	503
Lamp-extinguisher	W. C. Cross	170, 064	Nov. 16, 1875	735	233	8	846
Lamp-extinguisher	F. Hartman	170, 556	Nov. 30, 1875	1224	385	8	929
Lamp-extinguisher	J. O. Loderstrom	161, 334	June 8, 1875	467	155	7	1094
Lamp-extinguisher	A. Umbholt	159, 621	Feb. 9, 1875	358	119	7	242
Lamp-extinguisher	H. J. Warren	163, 556	May 18, 1875	795	252	7	874
Lamp-extinguisher	H. J. Warren and H. F. Packard	169, 604	Nov. 2, 1875	364	85	8	770
Lamp-extinguisher	M. Waterbury	162, 593	Apr. 27, 1875	949	305	7	720
Lamp-extinguisher	A. and E. Waterman	163, 343	May 18, 1875	602	192	7	849
Lamp-extinguisher	J. W. Waterman	160, 067	Feb. 23, 1875	810	266	7	315
Lamp-extinguisher	W. T. Wood	160, 499	Mar. 2, 1875	222	76	7	381
Lamp-extinguisher	W. H. Zimmerman	160, 988	Mar. 16, 1875	685	225	7	461
Lamp-extinguisher, Automatic	J. G. Hehr	169, 263	Oct. 26, 1875	917	297	8	177
Lamp-filler	W. C. Cross	171, 269	Dec. 21, 1875	613	200	8	1017
Lamp-filling-can top	O. N. Perkins	171, 165	Dec. 14, 1875	456	160	8	1022
Lamp for lighting and heating	E. A. Ripplingille	160, 352	Mar. 2, 1875	85	31	7	361
Lamp-fount	E. Brown	164, 965	June 29, 1875	1085	349	7	1110
Lamp-fount	C. F. Linsley	167, 345	Aug. 21, 1875	1136	357	8	392
Lamp, Gas-fitter's	J. D. Galloway	165, 089	June 29, 1875	1189	33	7	1125
Lamp-globe holder	R. B. Perkins	159, 608	Feb. 9, 1875	349	116	7	241
Lamp-holder	J. C. Love	159, 942	Feb. 16, 1875	675	221	7	299
Lamp-holder	J. D. Pierce	160, 465	Mar. 2, 1875	186	64	7	375
Lamp, Hydro-electric	W. H. Zimmerman	160, 739	Mar. 9, 1875	445	148	7	421
Lamp-lighting apparatus	H. Iden	169, 173	Oct. 26, 1875	837	272	8	766
Lamp-lighting apparatus, Electrical	J. A. Voisin and P. Dronier	169, 387	Nov. 2, 1875	63	19	8	743
Lamp-lighting apparatus, Street	M. Faloon and D. H. Iseninger	171, 555	Dec. 23, 1875	826	290	8	1092
Lamp, Miner's	W. Eyaon and R. C. Cook	167, 323	Aug. 31, 1875	1116	351	8	389
Lamp, Miner's	J. Sawyer	163, 414	May 18, 1875	662	211	7	857
Lamp, Nursery	C. I. Gotham	166, 767	Aug 17, 1875	570	175	8	297
Lamp, Nursery	C. I. Gotham and E. J. Cubley	165, 444	July 13, 1875	315	99	8	58
Lamp-pendant	F. R. Seidensticker	158, 531	Jan. 5, 1875	178	54	7	31
Lamp-pendant	E. Stevens	160, 968	Mar. 16, 1875	668	218	7	458
Lamp-pendant	W. M. Underhill	170, 607	Nov. 30, 1875	1276	402	8	935
Lamp, Pocket	J. Kendall	168, 903	Oct. 19, 1875	564	184	8	660
Lamp, Reflector	J. Rettcer	162, 639	Apr. 27, 1875	1041	332	7	731
Lamp-shade	S. R. Kneeland	164, 3-0	June 15, 1875	526	173	7	1021
Lamp-shade support	S. A. Prescott	159, 965	Feb. 16, 1875	695	231	7	292
Lamp-socket	W. N. Weeden	167, 371	Aug. 31, 1875	1161	366	8	396
Lamp-stand	E. Bacon	161, 088	Mar. 23, 1875	783	257	7	482
Lamp, Stove	E. H. Huch	166, 106	July 27, 1875	967	298	8	178
Lamp, Street	C. B. Boyle	158, 396	Jan. 5, 1875	40	14	7	14
Lamp, Street	J. S. Hagerty	168, 987	Oct. 19, 1875	611	212	8	671
Lamp, Street	J. Henrick	164, 681	June 22, 1875	802	263	7	1067
Lamp, Street	H. Wellington	162, 728	Apr. 27, 1875	1087	345	7	736
Lamp support, Wagon	T. Boulden and G. H. Johnson	167, 736	Sept. 14, 1875	325	104	8	459
Lamp-supporter	L. M. Kent	159, 683	Feb. 9, 1875	419	139	7	250
Lamp, Traveler's	T. R. Almond	158, 615	Jan. 12, 1875	250	84	7	59
Lamp-trimmer	H. L. De Zeng	169, 091	Oct. 26, 1875	765	248	8	695
Lamp-trimmer	H. L. De Zeng	169, 785	Nov. 9, 1875	471	149	8	804
Lamp-wick	A. M. Daniels	170, 995	Dec. 14, 1875	326	168	8	1001
Lamp-wick	H. Halvorson	161, 029	Mar. 23, 1875	729	240	7	475
Lamp-wick	H. Halvorson	161, 118	Mar. 23, 1875	816	267	7	486
Lamp-wick inserter	W. H. Fitz Patrick	159, 171	Jan. 26, 1875	801	262	7	156
Lamp-wick raiser	A. Albertson	170, 428	Nov. 23, 1875	1089	343	8	902
Lamps and chandeliers, Extension-fixture for	G. R. Lyon	165, 846	July 29, 1875	708	216	8	130
Lamps, Apparatus for supplying oil to	R. V. de Guinon	160, 653	Mar. 9, 1875	396	124	7	410
Lamps, Formation of gas	J. J. Hoyt	164, 374	June 15, 1875	520	171	7	1021
Lamps, Gas-extinguisher for street	L. Boore	164, 711	June 22, 1875	834	271	7	1071
Lamps, Manufacture of	T. B. Atterbury	170, 219	Nov. 23, 1875	901	281	8	875
Lamps, Removable drip-cup for argand	A. Bechet	167, 869	Sept. 21, 1875	465	147	8	488
Lamps, Safety-extinguisher for	G. F. Edholm	163, 466	May 18, 1875	706	225	7	863
Land, Leveling	T. R. Lowe	171, 532	Dec. 28, 1875	859	281	8	1088
Land-roller	E. H. Adams	167, 389	Sept. 7, 1875	1	1	8	407
Land-roller	P. Bilyen, sr	160, 147	Feb. 23, 1875	874	269	7	325
Land-roller	J. A. Keeler	165, 739	July 20, 1875	703	214	8	129
Land-roller	W. Williams	159, 784	Feb. 16, 1875	529	176	7	270
Land-roller	J. Woolridge	158, 560	Jan. 5, 1875	181	63	7	84
Land roller and harrow, Combined	H. J. Yeargin	163, 562	May 18, 1875	800	253	7	871
Land roller and marker	J. M. and G. R. Hunter	171, 549	Dec. 28, 1875	901	295	8	1095

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Land-roller and seeding-machine, Combined	J. H. Holland	158, 712	Jan. 12, 1875	335	114	7	71
Land-side-blank bar	J. Sandage	170, 030	Nov. 16, 1875	692	218	7	849
Landau	C. Thomas	160, 039	Feb. 23, 1875	783	258	7	311
Lantern	C. S. S. and A. L. Baron	163, 136	May 11, 1875	387	125	7	865
Lantern	H. Beebe	169, 511	Nov. 2, 1875	169	56	7	758
Lantern	H. Beebe	170, 510	Nov. 30, 1875	1183	373	7	923
Lantern	G. A. Beidler	164, 253	June 8, 1875	391	132	7	995
Lantern	L. F. Betts	160, 744	Mar. 16, 1875	468	153	7	431
Lantern	F. J. Clark and J. Kintz	168, 616	Oct. 11, 1875	298	96	7	614
Lantern	A. M. Duburn	167, 651	Sept. 14, 1875	253	79	7	449
Lantern	C. H. Eymann	169, 457	Nov. 2, 1875	121	39	7	752
Lantern	J. J. Marcy	167, 108	Aug. 24, 1875	907	283	7	353
Lantern	S. H. Miller	162, 690	Apr. 13, 1875	443	148	7	641
Lantern	R. Nutting	169, 916	Nov. 16, 1875	606	188	7	828
Lantern	T. B. Osborne	167, 269	Aug. 31, 1875	1070	334	7	383
Lantern	E. S. Ritchie	170, 451	Nov. 30, 1875	1125	354	7	915
Lantern	C. J. Sykes	166, 484	Aug. 10, 1875	302	91	7	249
Lantern and dinner-kettle, Combined	W. W. Price	170, 110	Nov. 16, 1875	778	246	7	852
Lantern for trapping insects	B. F. McQueen	166, 134	July 27, 1875	925	364	7	180
Lantern-handle	T. James	162, 559	Apr. 27, 1875	921	295	7	716
Lantern, Light-house	O. Cook	162, 602	May 4, 1875	62	20	7	755
Lantern, Magic	A. G. Buzby	162, 696	May 4, 1875	145	47	7	766
Lantern, Magic	A. G. Buzby	162, 697	May 4, 1875	146	47	7	766
Lantern, Magic	C. Fontayne	167, 090	Aug. 24, 1875	891	278	7	350
Lantern, Magic	L. J. Marcy	162, 759	May 4, 1875	20	7, 8	7	749
Lantern, Magic	L. J. Marcy	165, 242	July 6, 1875	92	27, 28	7	21
Lantern, Pocket	J. Stevens	167, 479	Sept. 7, 1875	86	27	7	418
Lantern, Ship's	F. J. Kenny	159, 933	Feb. 16, 1875	667	221	7	289
Lantern, Signal	G. J. Cave	166, 966	Aug. 24, 1875	772	238	7	334
Lantern, Signal	E. H. Foote and E. L. Gilman	161, 021	Mar. 23, 1875	722	238	7	474
Lantern, Signal	G. F. Pashley	171, 417	Dec. 21, 1875	743	244	7	1064
Lantern, Signal	G. Walton and W. E. Merrill	164, 351	June 8, 1875	457	161	7	1007
Lanterns, Lime-light apparatus for magic	L. J. Marcy	163, 087	May 11, 1875	342	111, 112	7	799
Lanterns, Reservoir or street	A. H. Watkins	165, 042	June 29, 1875	1148	370	7	1119
Lap-board	O. M. Merrick	164, 388	June 15, 1875	533	175	7	1022
Lap-board	W. F. Mitchell	160, 455	Mar. 2, 1875	179	62	7	374
Lap-board	H. G. Stepp	166, 038	July 27, 1875	859	227	7	168
Lap-robe	F. L. Blakely	168, 315	Oct. 5, 1875	2	1	7	565
Lap-table, Milliner's, &c.	J. Dunnean	159, 910	Feb. 16, 1875	647	214	7	286
Lard and cheese press	A. J. Noe	162, 407	Apr. 20, 1875	763	247	7	688
Lard-cooler	J. G. C. Lee	169, 180	Oct. 26, 1875	840	274	7	707
Lard-cooler	F. C. Pray	161, 704	Apr. 6, 1875	96	34	7	583
Lard-cooler	F. E. Rockstroh	165, 617	July 13, 1875	474	144, 145	7	82
Lard drier and cooler	G. Bogen, jr	167, 636	Sept. 14, 1875	241	75	7	417
Lard in casks for transportation, Fining and cooling	R. Bullymore	170, 935	Dec. 14, 1875	265	88	7	994
Lard-tank skimmer	N. Caldwell	168, 610	Oct. 11, 1875	292	95	7	613
Last, Boot and shoe	C. F. Hill	165, 330	July 6, 1875	170	52	7	42
Last for rubber-working	I. F. Williams	166, 443	Aug. 3, 1875	245	75	7	234
Lasts, Block-lock for shoe	F. J. Davis	162, 038	Apr. 13, 1875	396	134	7	635
Lasts, Machine for putting contours to	L. Coré	167, 306	Aug. 31, 1875	1101	346	7	388
Laster, Foot-power	F. J. Davis	164, 722	June 22, 1875	844	274	7	1072
Lasting boots and shoes	G. W. Copeland	158, 682	Jan. 12, 1875	309	105	7	67
Lasting machine, Boot and shoe	R. C. Lombard	167, 676	Sept. 14, 1875	273	55, 86	7	452
Latch and lock, Combined knob	J. F. Cooper	162, 377	Oct. 5, 1875	52	19	7	572
Latch, Door	J. A. Colby	162, 272	Apr. 20, 1875	632	206	7	672
Latch, Door	J. H. Crane	162, 275	Apr. 20, 1875	635	207	7	672
Latch, Door, &c.	F. D. Robinson	161, 705	Apr. 6, 1875	97	34	7	583
Latch, Door	O. F. Russ	159, 281	Feb. 2, 1875	34	13	7	189
Latch, Door	O. W. Stow	164, 780	June 22, 1875	892	290	7	1079
Latch for cupboards, &c., Reversible	C. F. Herrick	166, 368	Aug. 3, 1875	164	50	7	223
Latch for gates, &c.	W. D. Skidmore	162, 702	Apr. 27, 1875	1056	337	7	733
Latch, Gate	R. C. Bernard	160, 639	Mar. 9, 1875	353	119	7	468
Latch, Gate	S. Cherry	169, 418	Nov. 2, 1875	90	28	7	747
Latch, Gate	J. L. Giesler	163, 179	May 11, 1875	429	139	7	810
Latch, Gate	J. Peterman	168, 525	Oct. 5, 1875	187	61	7	591
Latch, Locking	G. J. Dickson	166, 856	Aug. 17, 1875	650	202	7	308
Latch, Locking	J. Drucklieb	170, 353	Nov. 23, 1875	1020	319	7	892
Latch, Locking	P. S. Felter	167, 088	Aug. 24, 1875	888	277	7	350
Latch, Locking	C. Seymour	162, 423	Apr. 20, 1875	778	252	7	690
Latch, Locking	E. Skinner	158, 811	Jan. 19, 1875	444	148	7	101
Latch, Locking	A. Worster	166, 834	Aug. 17, 1875	628	195	7	306
Latch, Locking knob	S. H. Gilman	159, 257	Feb. 2, 1875	13	5	7	186
Latch, Reversible	W. M. Griscom	168, 986	Oct. 19, 1875	640	212	7	071
Latch, Reversible	E. C. Hussy	164, 089	June 8, 1875	243	84	7	975
Latch, Reversible	P. Mathes	168, 036	Sept. 21, 1875	607	195	7	509
Latch, Reversible	J. Moore	166, 129	July 27, 1875	989	305, 306	7	181
Latch, Reversible	W. T. Munger	161, 700	Apr. 6, 1875	94	33	7	582
Latch, Reversible	H. S. Ponroy	170, 393	Nov. 23, 1875	1058	341	7	897
Latch, Reversible	A. F. Whiting	166, 434	Aug. 3, 1875	238	72	7	233
Lath-bolting machine	J. C. Mackey	159, 591	Feb. 9, 1875	336	111, 112	7	239
Lath-machine	J. C. Mackey	168, 759	Oct. 11, 1875	425	139	7	633
Lath-sawing machine	C. W. Hart	160, 903	Mar. 16, 1875	609	199	7	450
Lath-sawing machine	M. S. Norton	160, 838	Mar. 16, 1875	557	181	7	442
Lath and belt-saw, Combined	H. A. Kimball	169, 998	Nov. 16, 1875	671	211	7	837
Lath-beds to different heights, Mechanism for adjusting	W. H. Hoffman	164, 560	June 15, 1875	681	222	7	1042
Lath-center-grinding machine	M. R. Lenman	160, 921	Mar. 16, 1875	626	204	7	452
Lath-cutter holder, Metal	J. R. Mitchell	163, 878	June 1, 1875	37	12	7	935
Lath-d'g.	C. B. Davis	163, 640	May 25, 1875	837	289	7	891
Lath, Engine	W. Tucker	170, 665	Nov. 30, 1875	1214	101	7	965
Lath for turning irregular forms	J. Beaudry	160, 638	Mar. 9, 1875	362	119	7	468

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Lathe for turning irregular forms	G. N. Westcott	171, 201	Dec. 14, 1875	525	173	8	1027
Lathe for turning spools	W. R. Landtear	170, 801	Dec. 7, 1875	182	62	8	975
Lathe for turning wood, Gage	F. Goutet	152, 229	Apr. 20, 1875	593	{ 194 195 }	7	667
Lathe, Jeweler's	N. W. Holt	159, 180	Jan. 26, 1875	810	265	7	157
Lathe, Metal-turning	H. M. Quackenbush	165, 425	July 13, 1875	293	87	8	56
Lathe, Metal-turning	T. Wilbraban	162, 444	Apr. 20, 1875	798	260	7	692
Lathe, Oval-turning	L. K. Scottford	168, 928	Oct. 19, 1875	591	195	8	664
Lathe, planer, and drilling-machine, Combined	J. McLaren	170, 683	Dec. 7, 1875	27	8	8	954
Lathe-rest	J. E. F. Leland	163, 670	May 25, 1875	909	289	7	297
Lathe, Universal-turning	R. Koch and H. Muller	167, 614	Sept. 14, 1875	221	69	8	444
Lathe, Wood-turning	W. R. Hodge	162, 819	May 4, 1875	76	24, 25	7	757
Lathes, Centering device for wood-turning	W. B. Carpenter	161, 384	Mar. 30, 1875	1086	352	7	529
Lathes, Planing attachment for metal-turning	A. Hoffmao	163, 657	May 25, 1875	9. 0	285	7	895
Lathes, Shell-cutter for metal-turning	A. Hoyle	166, 462	Aug. 10, 1875	283	85	8	247
Lathes, Slide-rest for metal-turning	G. F. Ballou	167, 974	Sept. 21, 1875	544	175	8	560
Lathes, Tool-holding attachment for metal	W. Krutzsch	166, 787	Aug. 17, 1875	587	181	8	299
Lathing-machine	C. B. Trimble	170, 031	Nov. 26, 1875	700	{ 220 221 }	8	841
Lathing, Metallic	J. W. Hoyt	162, 822	May 4, 1875	78	26	7	759
Lathing, Metallic	J. W. Hoyt	163, 315	May 18, 1875	574	184	7	846
Lathing, Securing metallic	J. W. Hoyt	164, 919	June 29, 1875	1045	337	7	1105
Laundry-polish	C. L. Holland	163, 859	June 1, 1875	30	.....	7	934
Laundry-register	E. G. Dike	163, 302	May 18, 1875	563	180	7	844
Lawn-roller	D. Copeland, jr.	166, 915	Aug. 24, 1875	721	224	8	327
Lead-corroding hoses, Bed-pipe for	P. H. Decker	158, 405	Jan. 5, 1875	47	17	7	15
Lead-corroding hoses, Ventilating-pipe for	J. D. Richeson	163, 529	May 18, 1875	773	245	7	871
Lead-pipe joint	A. B. Goddall	163, 588	May 25, 1875	840	265	7	898
Lead-traps, Machine for cutting out web-gates of cast	J. A. Lowe	161, 248	Mar. 23, 1875	938	305	7	502
Lead-traps, Manufacture of	F. N. Du Bois	167, 076	Aug. 24, 1875	873	272	8	348
Lead-pressing clamp	C. W. Holbrook	166, 608	Aug. 10, 1875	466	125	8	265
Leather-beating machine	J. H. Hussey	168, 256	Sept. 28, 1875	838	567	8	548
Leather-boards, &c., Machine for stripping	E. Andrews	166, 837	Aug. 17, 1875	6. 9	196	8	306
Leather-coating composition	H. Martyn	167, 183	Aug. 31, 1875	999	.....	8	373
Leather-coating compound	J. Carnody	161, 203	Mar. 23, 1875	887	.....	7	496
Leather-dressing	J. Miller	165, 680	July 20, 1875	546	.....	8	108
Leather-dressing machine	B. M. J. Blank	170, 983	Dec. 14, 1875	316	105	8	1000
Leather-dressing machine	J. K. Tullis	158, 701	Jan. 12, 1875	373	127	7	76
Leather-dressing machinery	N. O. Lounsbury	161, 046	Mar. 23, 1875	744	245	7	477
Leather-finishing machine	J. P. Friend	163, 063	May 11, 1875	325	105	7	797
Leather-finishing machinery	A. M. L. Groff and J. A. Marvel	159, 692	Jan. 26, 1875	731	{ 241 242 }	7	147
Leather-finishing machinery	E. Settle	167, 698	Sept. 14, 1875	292	92	8	454
Leather-finishing process	J. H. Radey	160, 841	Mar. 6, 1875	559	.....	7	443
Leather graining, pebbling, and softening machinery	H. Howson	168, 497	Oct. 5, 1875	159	52	8	587
Leather, Manufacture of	H. and C. Klemm	160, 440	Mar. 2, 1875	163	.....	7	372
Leather, Manufacture of	C. J. Timmerholm	158, 608	Jan. 12, 1875	242	.....	7	58
Leather, Manufacture of artificial	J. Harrington	168, 455	Oct. 5, 1875	148	.....	8	566
Leather pebbling, graining, and embossing machine	A. W. Perrin	161, 269	Mar. 23, 1875	959	312	7	504
Leather, Prepared	O. Nichols	170, 962	Dec. 14, 1875	290	98	8	997
Leather, Process for manufacturing	G. Herrick	165, 731	July 20, 1875	591	.....	8	114
Leather-punching machine	H. Mott	163, 096	May 11, 1875	352	115	7	801
Leather-rolling machine	N. Lunsley, J. McCulloch, and W. Clement	171, 574	Dec. 28, 1875	905	296	8	1095
Leather-rounding machine	J. Lewis	168, 403	Oct. 5, 1875	75	26	8	575
Leather-rounding machine	H. F. Osborne	162, 762	May 4, 1875	24	8	7	750
Leather-seam-pressing machine	J. W. Hatch	160, 770	Mar. 16, 1875	498	162	7	434
Leather-strap creasing and finishing machine	S. B. Randall	160, 231	Feb. 23, 1875	947	311	7	335
Leather-strap-skiving machine	A. G. Howard	159, 822	Feb. 16, 1875	564	187	7	275
Leather-tapering machine	J. and G. W. Settle	158, 9. 9	Jan. 19, 1875	616	204	7	123
Leather to make it water-repellent, Treating	E. F. Dieterichs	170, 940	Dec. 14, 1875	272	.....	8	994
Leather, Treatment of	H. Smith	165, 129	June 29, 1875	1224	.....	7	1129
Leather washer	C. T. Grilley	164, 444	June 15, 1875	587	191	7	1029
Leather washer	C. T. Grilley	164, 446	June 15, 1875	590	192	7	1029
Leather washers, Mechanism for forming	C. T. Grilley	164, 445	June 15, 1875	588	191	7	1029
Leather-washing machine	W. Shaw	166, 748	June 8, 1875	259	89	7	997
Leather-water-proofing compound	J. Clunan	166, 105	Aug. 17, 1875	554	.....	8	294
Leather work, Machine for forming and driving staples for	A. B. Keith and T. R. Reed	164, 010	June 1, 1875	141	50, 51	7	950
Ledger-rest	F. O. Buck	168, 715	Oct. 11, 1875	385	126	8	627
Leg, Artificial	C. Collins and J. H. McCalla	168, 140	Sept. 28, 1875	738	233	8	533
Leg, Artificial	J. O'Brien	167, 779	Sept. 14, 1875	370	118	8	466
Leg-fracture box	D. Bissell	158, 894	Jan. 19, 1875	520	{ 174 175 }	7	111
Lemon-press	H. Newberger	160, 697	Mar. 9, 1875	406	136	7	416
Lemon-squeezer	C. H. Miller	171, 154	Dec. 14, 1875	476	156	8	1621
Lemon-squeezer	A. C. Weeks	165, 638	July 13, 1875	497	152	8	85
Letter and picture block	D. Bernell	163, 912	June 1, 1875	62	21	7	939
Letter-block apparatus	B. Irrgang	166, 382	Aug. 3, 1875	185	55	8	225
Letter-box	J. J. De Barry and T. J. and A. T. Lundqvist	167, 312	Aug. 31, 1875	1106	348	8	388
Letter-box	T. J. and A. T. Lundqvist	166, 074	July 27, 1875	933	288	8	173
Letter-box	E. S. Newcomer	166, 800	Aug. 17, 1875	600	185	8	301
Letter-box	A. Rosenstjerna	164, 041	June 1, 1875	175	62, 63	7	955
Letter-box	D. J. Wilcoxson	170, 141	Nov. 16, 1875	809	255	8	856
Letter-box alarm	J. Harrison	161, 411	Mar. 30, 1875	1169	359	7	532
Letter-box and door-bell, Combined	J. Lovenguth	169, 558	Nov. 2, 1875	217	72	8	764
Letter-box and milk receptacle, Combined	C. E. Miller	166, 623	Aug. 10, 1875	419	129	8	266
Letter-boxes, Electrical indicator for	H. R. David	159, 083	Jan. 26, 1875	724	339	7	146
Letter-sheet and envelope, Combined	R. W. Barnes	171, 497	Dec. 28, 1875	837	274	8	1085
Letter-sheets, Book of	H. S. Jackson	158, 416	Jan. 5, 1875	57	20	7	17
Level	C. E. Schwaner	159, 359	Feb. 2, 1875	108	37	7	119
Level	A. B. Wroth	163, 561	May 18, 1875	799	253	7	874
Level and slope indicator	O. S. Willey	159, 370	Feb. 2, 1875	115	40	7	200
Level, Plumb	H. S. Tarr	169, 927	Nov. 16, 1875	616	191	8	830

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Level, plumb, &c., Combined	J. R. Frailey	162, 641	Apr. 27, 1875	986	317	7	725
Level, Spirit.	E. L. Barnes	159, 822	Feb. 16, 1875	620	205	7	22-2
Levels and straight-edges, Connecting spirit.	J. G. Ralph	169, 290	Oct. 26, 1875	943	306	8	730
Lever and toggle presses, Platen for.	J. F. Taylor	161, 121	Apr. 13, 1875	477	157	7	645
Lever-power	H. C. Bell	168, 601	Oct. 11, 1875	285	92	8	612
Lever-power.	W. F. Hale	168, 153	Sept. 28, 1875	749	236	8	535
Lever-press	A. Cameron	168, 449	Oct. 5, 1875	113	39	8	581
Lever-press	W. O. Watson	160, 131	Feb. 23, 1875	860	284	7	321
Lever safety-pinion	G. Bement	165, 783	July 20, 1875	638	196	8	121
Lid lifter	T. B. Carpenter	167, 219	Aug. 31, 1875	1030	320	8	377
Life-boat	L. F. Frazee	167, 160	Aug. 31, 1875	981	304	8	370
Life-preserver	II. G. Dayton	169, 781	Nov. 9, 1875	464	147	8	803
Life-preserver	B. Hempstead	171, 018	Dec. 14, 1875	343	114	8	1003
Life-preserver	J. F. Peck	165, 610	July 13, 1875	466	142	8	81
Life-preserver	A. Traub	163, 422	May 18, 1875	667	213	7	858
Life-preserving apparatus	H. A. Duc, jr.	164, 418	June 22, 1875	931	301	7	1083
Life-preserving bed	A. G. Haskell	163, 011	May 11, 1875	274	88	7	791
Life-preserving jacket	T. Richards	166, 477	Aug. 10, 1875	297	89	8	248
Life-preserving stool	H. E. Crosswell	161, 670	Apr. 6, 1875	72	66	7	579
Life-preserving stool	H. H. Nash	168, 519	Oct. 5, 1875	181	59	8	590
Lifter:							
See Car-lifter.	Plate-lifter.						
Corpse-lifter.	Stove-cover lifter.						
Grain and straw lifter.	Stove-lid lifter.						
Hog-lifter.	Table-lid lifter.						
Jar-lifter.	Track-lifter.						
Lid-lifter.							
Lifting-gate	W. Lundy	164, 849	June 22, 1875	958	319	7	1087
Lifting-jack	J. J. Adgate	160, 860	Mar. 16, 1875	575	187	7	445
Lifting-jack	E. E. Banning	158, 353	Jan. 5, 1875	3	1	7	9
Lifting-jack	J. Bees	158, 618	Jan. 12, 1875	252	85	7	59
Lifting-jack	J. C. Bird	163, 969	June 1, 1875	107	36	7	946
Lifting-jack	H. Bracksmith	161, 425	Apr. 13, 1875	309	103	7	634
Lifting-jack	D. Cilley	145, 713	July 20, 1875	576	176	8	412
Lifting-jack	A. Duocan	171, 107	Dec. 14, 1875	426	141	8	1015
Lifting-jack	G. W. Edwards	168, 005	Sept. 21, 1875	572	184	8	594
Lifting-jack	J. B. Fayett and L. Meeker	163, 647	May 25, 1875	893	282	7	895
Lifting-jack	J. B. Fayett and L. Meeker	165, 485	July 13, 1875	353	104	8	64
Lifting-jack	H. D. Haraden	171, 126	Dec. 14, 1875	449	{ 148 } 148	8	1018
Lifting-jack	W. Livingstone	163, 791	May 25, 1875	1011	320	7	910
Lifting-jack	W. F. Morrow	159, 202	Jan. 26, 1875	830	273	7	160
Lifting-jack	S. E. Mosher	168, 663	Oct. 11, 1875	343	111	8	621
Lifting-jack	L. O'Hara	164, 323	June 8, 1875	458	151	7	1003
Lifting-jack	J. L. Vail	168, 811	Oct. 11, 1875	499	153	8	638
Lifts or hoists. Safety apparatus for.	H. A. Davis	162, 535	Apr. 27, 1875	901	288	7	713
Light:							
See Drop-light.	Locomotive head-light.						
Electric light.	Sky-light.						
Gas light.	Vault-light.						
Head-light.							
Light and heat, Apparatus for collecting the rays of.	P. Balestrieri	162, 263	Apr. 20, 1875	625	204	7	671
Lighter, Portable	J. A. Watson	164, 620	June 15, 1875	735	240	7	1049
Lighting and heating houses, Apparatus for.	F. C. Hooton	164, 371	June 15, 1875	518	170	7	1020
Lighting-rod	S. C. Bryan	160, 151	Feb. 23, 1875	878	290	7	325
Lightning-rod	J. C. Bryan	160, 154	Feb. 23, 1875	880	290	7	326
Lightning-rod	I. Johnson	170, 377	Nov. 28, 1875	1041	327	8	895
Lightning-rod	J. A. Kleckner	162, 828	May 4, 1875	83	28	7	758
Lightning-rod	M. D. Phelps	159, 961	Feb. 16, 1875	691	230	7	292
Lightning-rod	H. W. Spang	167, 415	Sept. 7, 1875	33	10	8	411
Lightning-rod	S. R. Wilmut	159, 007	Jan. 19, 1875	631	209	7	125
Lightning-rod-making machine.	W. B. Munn	161, 541	Mar. 30, 1875	1235	397	7	548
Lightning-rod standard	W. S. Reyburn and F. J. Martin	163, 807	May 25, 1875	1026	325	7	913
Limb-receiver	H. R. Alien	170, 217	Nov. 23, 1875	900	281	8	875
Lime-bin	D. G. Ormsby	162, 684	Apr. 27, 1875	1037	331	7	731
Lime in water containing carbonic acid, Dissolving tribasic phosphate of.	A. Jas	164, 457	June 15, 1875	599	.....	7	1030
Limekiln	H. Brockman and H. Stueve	171, 468	Dec. 28, 1875	803	265	8	1081
Limekiln	F. Cole and D. D. L. McCulloch	160, 878	Mar. 16, 1875	529	192	7	447
Limekiln	A. B. Weeks	165, 900	July 20, 1875	756	231	8	137
Lime-fastener	A. B. Brown and P. A. Peer	165, 705	July 20, 1875	568	173	8	111
Lime-fastener	W. Haddock	167, 610	Sept. 14, 1875	218	68	8	444
Link	W. A. Ingalls	167, 453	Sept. 7, 1875	65	20	8	415
Link-forming machine.	J. H. Helm	164, 682	June 22, 1875	803	263	7	1067
Link, S. uided	C. A. Chamberlin	168, 081	Sept. 28, 1875	677	214	8	525
Lint-room floor	J. N. Stitt	165, 889	July 20, 1875	747	228	8	135
Liquid and gas meter and motor	J. A. Stenberg	158, 995	Jan. 19, 1875	621	206	7	124
Liquid-cooler	B. F. Shaw	165, 430	July 13, 1875	299	88	8	56
Liquid-meter	E. Marsland	164, 852	June 22, 1875	960	311	7	1087
Liquid-meter	H. S. Maxin	161, 621	Apr. 6, 1875	28	11	7	573
Liquid-mixer	J. B. Meyers	165, 853	July 20, 1875	716	218	8	131
Liquid-packages, Device for filling and discharging	J. M. Hopkins	171, 381	Dec. 21, 1875	709	234	8	1060
Liquids, Apparatus for dispensing effervescent	T. Warker	165, 391	July 6, 1875	239	72	8	41
Liquids, Apparatus for drawing effervescent	C. Greiner	165, 565	July 13, 1875	426	129	8	76
Liquids, Apparatus for drawing effervescent	T. Warker	159, 054	Jan. 26, 1875	698	230	7	192
Liquids, Apparatus for drawing effervescent	F. W. Wieschrock	162, 986	May 4, 1875	235	76	7	778
Liquids, Drawing effervescent.	P. E. Malmstrom and P. E. Dunmer.	160, 925	Mar. 16, 1875	630	205	7	452
Liquids, Method and apparatus for evaporating	G. A. Hagemann	175, 568	July 13, 1875	428	130	8	76
Liquids, Process and apparatus for cooling	L. B. Woolfolk	159, 997	Feb. 16, 1875	735	242	7	496
Liquids, Vessel for inflammable	M. Chase and A. W. Cram	162, 350	Apr. 20, 1875	703	228	7	681
Liquor tester, filterer, and emptier combined	W. F. Hellen	161, 451	June 15, 1875	594	193	7	130
Lithographic presses, Damping attachment for	H. Vortin	170, 693	Dec. 7, 1875	37	11	8	955

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Lock:							
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Lock	H. S. Shepardson	166,034	July 27, 1875	896	277	8	168
Lock	W. H. Taylor	165,631	July 13, 1875	489	149	8	84
Lock-key	L. Griswold	167,168	Aug. 31, 1875	868	307	8	371
Lock-key	W. H. Gutbrie	171,014	Dec. 14, 1875	341	113	8	1033
Lock-shells to belt-cases, Fastening	H. Winn	165,644	July 13, 1875	502	153	8	86
Locks, Adjustable face-plate for	E. M. and J. E. Mix	166,797	Aug. 17, 1875	508	154	8	301
Locomotive	J. V. Meirs	163,228	May 11, 1875	471	153	7	816
Locomotive ash pan and damper	W. W. Beach	162,519	Apr. 27, 1875	887	284	7	712
Locomotive ash-pans, Apparatus for cleaning	P. K. Dealy	168,884	Oct. 19, 1875	544	178	8	658
Locomotive, &c., boilers, Fire-box for	Z. S. Dorfee	167,079	Aug. 24, 1875	876	273	8	349
Locomotive cattle-alarm	E. Smith	166,943	Aug. 24, 1875	748	231	8	331
Locomotive-engine	T. T. V. Smith	167,276	Aug. 31, 1875	1076	336	8	384
Locomotive for burning hydrocarbon	J. M. Goodwin	164,915	June 29, 1875	1041	335	7	1105
Locomotive-furnace	H. F. Hayden	168,899	Oct. 19, 1875	558	182	8	660
Locomotive head-light	W. H. and A. E. Briggs	164,516	June 15, 1875	647	209	7	1037
Locomotive running-gear	F. S. W. Nowotry	162,410	Apr. 20, 1875	766	249	7	688
Locomotive smoke-stack	E. Cleary	158,469	Jan. 5, 1875	105	35	7	53
Locomotive smoke-stack	H. V. Faries	163,172	May 11, 1875	403	137	7	810
Locomotive smoke-stack	N. Irving	165,930	July 27, 1875	801	246	8	155
Locomotive smoke-stack	P. Reilly	169,039	Oct. 19, 1875	691	223	8	677
Locomotive tire-heater	T. T. Peak	167,115	Aug. 24, 1875	913	255	8	353
Locomotives, Device for increasing traction of	J. W. Murphy	164,863	June 22, 1875	974	315	7	1059
Locomotives, Device for increasing traction of	L. A. Rites	159,453	Feb. 2, 1875	192	64	7	211
Locomotives, Reversing-gear for	J. Ord	167,468	Sept. 7, 1875	77	24	8	417
Locomotives with water, Apparatus for supplying	H. Howo	167,765	Sept. 14, 1875	360	113	8	464
Log-moving machine	A. Rodgers	161,993	Apr. 13, 1875	288	97	7	621
Log-slide, Roller	C. B. Jackson and C. N. Humphrey	158,497	Jan. 5, 1875	131	44	7	*27
Log-turner	H. Knowlton	167,261	Aug. 31, 1875	1064	331	8	3*2
Log-turner	C. P. McVane	166,021	July 27, 1875	885	273	8	116
Log-turner, Saw-mill	J. Orm	163,398	May 18, 1875	649	207	7	555
Loom	G. Crompton	161,595	Apr. 6, 1875	7	7	7	510
Loom	H. D. Davis and J. M. Stone	160,084	Feb. 23, 1875	823	270	7	317
Loom	J. Dornan	159,653	Feb. 9, 1875	386	127	7	246
Loom	J. M. Linscott	164,924	June 29, 1875	1049	338	7	1106
Loom	J. L. Norton	163,799	May 25, 1875	1017	322	7	911
Loom, Circular-weaving	D. Avery	164,250	June 8, 1875	387	131	7	994
Loom for weaving bituds	R. B. Murphy	170,885	Dec. 7, 1875	200	69, 70	8	977
Loom for weaving fringe	R. Saatweber	171,582	Dec. 28, 1875	913	219	8	1096
Loom for weaving hair	M. R. Kenyon	164,565	June 15, 1875	689	223	7	1043
Loom for weaving hair-cloth	J. Paradis	161,437	Mar. 30, 1875	1132	365	7	534
Loom for weaving hair-cloth	J. Turpie	166,732	Aug. 17, 1875	539	165	8	292
Loom for weaving matting	S. Kuh	167,545	Sept. 7, 1875	146	45	8	426
Loom for weaving pile fabrics	S. Sanford	159,282	Feb. 2, 1875	36	13	7	189
Loom for weaving pile fabrics	S. Sanford	165,428	July 13, 1875	296	88	8	56
Loom for weaving piled fabrics	E. B. Bigelow	167,152	Aug. 31, 1875	971	302	8	369
Loom for weaving piled fabrics	S. Sanford	159,847	Feb. 16, 1875	555	194	7	278
Loom for weaving piled fabrics	W. Webster and J. Wade	170,922	Dec. 7, 1875	234	80	8	982
Loom for weaving suspender-webbing	C. H. Chapman	160,749	Mar. 16, 1875	474	155	7	432
Loom for weaving tubular fabrics	J. E. Gillespie	163,925	June 1, 1875	73	24	7	940
Loom for weaving webbing	H. M. Witter	170,458	Nov. 30, 1875	1131	357	9	916
Loom, Hand	J. E. Gillespie	169,098	Oct. 26, 1875	770	250	8	666
Loom-harness	J. Sladdin	164,777	June 22, 1875	887	2*9	7	1078
Loom-harness frame	J. E. Casey, H. Auel, and J. Johnson	163,575	May 25, 1875	826	261	7	8*6
Loom-harness motion	O. W. Kenison	162,238	Apr. 20, 1875	602	197	7	668
Loom heddle-frame	F. S. Pratt	163,191	Apr. 20, 1875	556	183	7	663
Loom let-off mechanism	J. H. Moore	170,011	Nov. 16, 1875	685	215	8	8*9
Loom let-off mechanism	H. A. Remington	161,901	Apr. 13, 1875	286	96	7	624
Loom let-off mechanism	G. P. Rose, A. Cartwright, and B. S. Rose	161,443	Mar. 30, 1875	1137	367	7	535
Loom let-off mechanism	J. Turner	161,996	Apr. 13, 1875	364	122	7	631
Loom, Needle	J. H. Greenleaf	163,184	May 11, 1875	433	141	7	811
Loom pattern-chain	L. J. Knowles	162,176	Apr. 20, 1875	544	179	7	661
Loom pattern-chain	J. F. Wicks	169,608	Nov. 2, 1875	269	8	8	771
Loom-picker	H. McManus	170,580	Nov. 30, 1875	1249	393	8	931
Loom-picker fastening	L. J. Labounty	171,520	Dec. 28, 1875	857	280	8	1088
Loom picking mechanism	B. F. Bean and C. H. Farnham	158,775	Jan. 19, 1875	469	137	7	97
Loom picking mechanism	D. M. Collins	165,408	July 13, 1875	278	82	8	53
Loom picking mechanism	W. Stearns	158,606	Jan. 12, 1875	241	81	7	58
Loom, Ribbon	P. Schwartz	170,904	Dec. 7, 1875	218	75, 76	8	980

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Loom shedding and pattern mechanism	G. Crompton and H. Wyman	158,362	Jan. 5, 1875	11	4	7	10
Loom shedding mechanism	G. Crompton	162,904	May 4, 1875	153	50	7	767
Loom shedding mechanism	R. B. Goodyear	163,061	May 11, 1875	325	105	7	77
Loom shedding mechanism	R. B. Goodyear	166,928	Aug. 21, 1875	731	227	8	329
Loom shedding mechanism	O. W. Kenison	169,552	Nov. 2, 1875	212	70	8	763
Loom shedding mechanism	H. Wyman	158,395	Jan. 5, 1875	39	14	7	14
Loom-shuttle	F. Blanding	161,001	Feb. 23, 1875	752	248	7	307
Loom-shuttle	T. Cheetam	164,144	June 8, 1875	289	99	7	981
Loom-shuttle	A. Edwards	167,753	Sept. 14, 1875	346	110	8	462
Loom-shuttle	P. Lear	159,764	Feb. 16, 1875	509	171	7	268
Loom-shuttle	J. H. Le Moyne	161,972	Apr. 13, 1875	345	116	7	628
Loom-shuttle	J. H. Peasley	160,544	Mar. 9, 1875	273	93	7	396
Loom-shuttle	J. M. Peckham	161,702	Apr. 6, 1875	95	33	7	583
Loom-shuttle	R. W. Porter	161,515	Mar. 30, 1875	1239	398	7	549
Loom-shuttle	R. W. Porter	169,837	Nov. 9, 1875	521	163	8	809
Loom-shuttle	J. Rigby	163,609	May 25, 1875	861	271	7	890
Loom-shuttle	A. Pollason and J. Brown	161,061	Mar. 23, 1875	755	249	7	479
Loom-shuttle	M. Safford	160,843	Mar. 16, 1875	560	182	7	443
Loom-shuttle	E. M. Stevens	164,493	June 15, 1875	629	203	7	1034
Loom-shuttle	N. J. Willis	165,777	July 20, 1875	631	194	8	120
Loom-shuttle	D. Wright	169,504	Nov. 2, 1875	161	54	8	757
Loom-shuttle	D. Wright	169,505	Nov. 2, 1875	162	54	8	757
Loom-shuttle and shuttle stop	J. Wolfenden	170,214	Nov. 23, 1875	897	280	8	875
Loom-shuttle binder	T. Blake	166,494	Aug. 10, 1875	310	93	8	250
Loom-shuttle binder	A. Mallory	163,671	May 25, 1875	909	289	7	897
Loom-shuttle binder	J. H. Moore	167,460	Sept. 7, 1875	70	22	8	416
Loom-shuttle-box mechanism	J. G. Chandlee	171,598	Dec. 28, 1875	928	304	8	1098
Loom-shuttle-box mechanism	H. Wyman	158,394	Jan. 5, 1875	37	13	7	14
Loom-shuttle check and binder	S. T. Hurd	169,995	Nov. 16, 1875	669	210	8	837
Loom-shuttle guard	J. L. Dow	160,261	Mar. 2, 1875	6	3	7	350
Loom-shuttle guard	W. M. Parker	171,416	Dec. 21, 1875	742	244	8	1064
Loom-shuttle mntion	C. I. Kane	167,176	Aug. 31, 1875	995	309	8	372
Loom-shuttle spindle	T. H. Logan and J. E. Thompson	167,678	Sept. 14, 1875	276	87	8	452
Loom stop-motion	B. F. Arnold	167,381	Sept. 7, 1875	2	1	8	407
Loom stop-motion	S. Greenwood and J. Templeton	162,471	Apr. 27, 1875	845	272	7	707
Loom stop-motion	H. T. Kent and S. Moore	169,108	Oct. 26, 1875	781	253	8	697
Loom stop-motion fork	J. McCallrey, jr.	170,007	Nov. 16, 1875	681	214	8	839
Loom stopping mechanism	J. Bullough	159,983	Feb. 16, 1875	712	236	7	294
Loom-stopping mechanism	J. Bullough	159,984	Feb. 16, 1875	713	237	7	294
Loom-stopping mechanism	J. Bullough	159,985	Feb. 16, 1875	714	237	7	295
Loom-stopping mechanism	J. Bullough	159,986	Feb. 16, 1875	716	238	7	295
Loom-stopping mechanism	A. S. Wynn	166,737	Aug. 17, 1875	546	167	8	293
Loom swivel-shuttle	J. Fish	169,248	Oct. 26, 1875	900	292	8	715
Loom take-up mechanism	H. Carstaedt	168,228	Sept. 28, 1875	810	278	8	544
Loom take-up motion	J. Lyall	171,376	Dec. 21, 1875	726	238	8	1062
Loom-temple	N. Chapman	162,744	May 4, 1875	9	4	7	748
Loom-temple	A. D. Fuller	159,255	Feb. 2, 1875	12	4	7	186
Loom-temple	E. S. Stimpson	159,050	Jan. 26, 1875	693	229	7	141
Loom-temple	J. C. Thickins	170,785	Dec. 7, 1875	120	38	8	966
Loom-temple	S. S. Walker	169,719	Nov. 9, 1875	432	137	8	799
Loom warp-beam	E. Oldfield	162,188	Apr. 10, 1875	551	182	7	662
Loom warp-beam apron	L. J. Labounty	171,519	Dec. 28, 1875	856	280	8	1088
Loom weft-stop mechanism	O. M. Stillman	169,596	Nov. 2, 1875	257	83	8	709
Loom yarn-beam	L. K. Knowles	159,666	Feb. 9, 1875	421	140	7	251
Looms. Take-up pawl for	S. S. Walker	167,418	Sept. 7, 1875	36	10	8	411
Lounge, Adjustable reclining	E. Bartel	160,073	Feb. 23, 1875	815	267	7	316
Lounge, Camp	G. T. Barker	161,733	Apr. 6, 1875	124	43	7	586
Lounge, Folding	N. H. Borgfeldt	169,138	Oct. 26, 1875	806	262	8	701
Lounge, Folding	O. Stechhan	171,000	Dec. 14, 1875	384	127	8	1008
Lounge, Invalid	A. Shiers	167,760	Sept. 14, 1875	291	93	8	455
Lounges, Attaching holster-frames to folding	W. Scng	170,406	Nov. 23, 1875	1070	337	8	899
Low-water and high-pressure alarm, Electrical	T. Hass	170,261	Nov. 23, 1875	941	294	8	881
Low-water indicator	J. H. Brown	162,795	May 4, 1875	57	18	7	754
Low-water indicator	C. E. Christian	167,069	Aug. 24, 1875	868	270	8	317
Low-water indicator, Steam-boiler	O. B. Kendall	159,181	Jan. 25, 1875	815	267	7	158
Lubricating-box	J. Whitaker	158,765	Jan. 12, 1875	378	129	7	77
Lubricating can	L. F. Betts	160,745	Mar. 16, 1875	468	153	7	431
Lubricating compound	B. F. Bartlett	167,730	Sept. 14, 1875	322	108	8	459
Lubricating compound	J. G. Betts	161,468	Mar. 30, 1875	1169	388	7	539
Lubricating compound	J. G. Betts	161,469	Mar. 30, 1875	1162	387	7	539
Lubricating compound	H. V. P. Draper	171,508	Dec. 28, 1875	847	281	8	1086
Lubricating compound	H. V. P. Draper	171,509	Dec. 28, 1875	848	282	8	1087
Lubricating compound	J. J. Koch	161,521	Mar. 10, 1875	1217	389	7	546
Lubricating compound	J. F. Mendonsa	170,521	Nov. 30, 1875	1249	391	8	931
Lubricating compound	J. Williams	164,117	June 8, 1875	269	90	7	978
Lubricating device	G. A. Sawyer	168,109	Sept. 28, 1875	703	222	8	529
Lubricating-spindle	A. M. Wade	165,433	July 13, 1875	303	89	8	57
Lubricator: See Axle-lubricator. Piston-rod lubricator. Car-wheel lubricator. Steam-engine lubricator. Journal-box lubricator.							
Lubricator	S. H. Davis, jr., and H. M. Du Bois	165,800	July 27, 1875	657	202	8	123
Lubricator	A. Gould and W. M. Hayden	168,984	Oct. 19, 1875	639	211	8	671
Lubricator	I. W. Hoagland	169,809	Nov. 9, 1875	494	155	8	806
Lubricator	C. E. Holt	163,591	May 25, 1875	814	266	7	888
Lubricator	C. H. Parshall	170,206	Nov. 21, 1875	970	301	9	885
Lubricator	C. H. Parshall	170,207	Nov. 21, 1875	971	304	8	855
Lubricator	J. W. Reed	168,671	Oct. 11, 1875	348	113	8	622
Lubricator	J. Richter and G. Merkel	165,756	July 29, 1875	612	188	8	118
Lubricator	W. P. Stephenson	169,124	Oct. 26, 1875	795	258	8	700
Lumber	W. E. Brock	161,746	Apr. 6, 1875	136	47	7	588
Lumber-carrier	E. L. Pimney and R. H. Hasty	160,029	Feb. 23, 1875	776	256	7	310
Lumber-drier	J. J. Curran	161,490	Mar. 30, 1875	1190	382	7	512



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Lumber-drier.....	M. Harris.....	169, 903	Nov. 16, 1875	594	{ 181 205 }	8	827
Lumber-drier.....	P. Pfeffer.....	163, 403	May 18, 1875	654	209	7	856
Lumber-drier.....	H. S. Taylor.....	158, 753	Jan. 12, 1875	366	125	7	75
Lumber-matching machine.....	G. J. Shiner.....	163, 269	May 11, 1875	512	166	7	821
Lunch-box.....	F. W. Hunt and W. A. Whitehouse.....	170, 441	Nov. 30, 1875	1117	352	8	914
Lunch-beater, Portable.....	M. Bradley.....	168, 133	Sept. 28, 1875	728	229	8	532
<b>M.</b>							
Macarons, Preserve composition for.....	H. Heide and C. Wirtz.....	170, 368	Nov. 23, 1875	1030	.....	8	894
Machinery-locking device.....	T. D. Marsh and F. M. Crane.....	161, 695	Apr. 6, 1875	90	32	7	582
Machinery motor, Light.....	D. Baldwin.....	159, 463	Jan. 26, 1875	705	232	7	143
Magnesia, Manufacturing milk of.....	C. H. Phillips.....	159, 446	Feb. 2, 1875	155	.....	7	210
Magneto-electric machine.....	L. Drescher.....	168, 560	Oct. 11, 1875	242	79, 80	8	606
Magneto-electric machine.....	M. G. Farmer.....	161, 874	Apr. 13, 1875	263	88	7	618
Magneto-electric machine.....	J. B. Fuller.....	168, 893	Oct. 19, 1875	551	181	8	659
Magneto-electric machine.....	O. Heikel.....	168, 018	Sept. 21, 1875	589	188	8	5, 6
Mail-bag.....	J. Boyle and H. Stephens.....	165, 205	July 6, 1875	62	18	8	17
Mail-bag.....	G. O. Clark.....	171, 469	Dec. 28, 1875	894	265	8	1081
Mail-bag.....	P. S. Thomson.....	171, 250	Dec. 21, 1875	594	195	8	1044
Mail-bag catch.....	E. Aurock and C. Judsun.....	165, 293	July 6, 1875	135	41	8	27
Mail-bag catch.....	H. M. Dick.....	164, 677	June 22, 1875	799	262	7	1066
Mail-bag catch.....	E. F. Hotchkiss.....	169, 545	Nov. 2, 1875	205	68	8	762
Mail-bag catch.....	B. Uncles.....	164, 616	June 15, 1875	732	249	7	1049
Mail-bag catch.....	A. B. Whipple.....	168, 860	Oct. 19, 1875	525	172	8	655
Mail-bag catch.....	A. B. Whipple.....	168, 681	Oct. 19, 1875	525	172	8	655
Mail-bag fastener.....	R. Lee.....	163, 7-9	May 25, 1875	1008	320	7	910
Mail-bag fastener.....	H. M. Smith.....	170, 195	Nov. 23, 1875	881	275	8	873
Mail-bag fastening.....	J. C. Franklin.....	162, 812	May 4, 1875	71	23	7	756
Mail-bags, Manufacture of.....	H. Stephens.....	168, 425	Oct. 5, 1875	93	32	8	573
Main: <i>See</i> Gas-main. Street-main. Hydraulic main.							
Main-tapping machine.....	J. J. Quion.....	160, 952	Mar. 16, 1875	654	213	7	456
Mainsprings to arbors, Attaching.....	W. C. Maynard.....	160, 109	Feb. 23, 1875	482	277	7	320
Maize, Process of treating.....	L. Chiozza.....	167, 224	Aug. 31, 1875	1033	.....	8	377
Mallet.....	A. G. Fellows.....	165, 221	July 6, 1875	74	22	8	19
Malt drying apparatus.....	G. Clark.....	166, 913	Aug. 24, 1875	719	223	8	327
Malt-kiln floor.....	L. Herrmann.....	162, 748	May 4, 1875	11	5	7	748
Malt-kiln floor.....	P. Weinig.....	168, 948	Oct. 19, 1875	605	201	8	666
Malt-kiln stirring apparatus.....	A. Von Schlemmer.....	170, 134	Nov. 16, 1875	799	253	8	856
Mandrel, Expanding.....	P. B. Lawson.....	163, 217	May 11, 1875	462	150	7	815
Mandrel for bending metallic tubing.....	M. L. Orum.....	166, 294	Aug. 3, 1875	100	31	8	213
Mandrel, Tube-drawing.....	T. Whitehouse.....	166, 438	Aug. 3, 1875	240	73	8	233
Manganese, Manufacture of ferro.....	A. Julien.....	163, 782	May 25, 1875	1003	313	7	909
Mangle.....	A. B. Barnard.....	169, 762	Nov. 9, 1875	449	142	8	801
Mangle.....	J. Johnson.....	166, 108	July 27, 1875	969	298	8	178
Mangle.....	H. Tanus.....	160, 851	Mar. 16, 1875	566	184	7	444
Mangle and ironing-table, Combined.....	F. Way.....	162, 429	Apr. 20, 1875	794	258	7	692
Mantel for fire-place, Composite.....	D. K. Innes.....	168, 625	Sept. 21, 1875	595	190	8	507
Mantel, Iron.....	T. F. Baker.....	165, 781	July 20, 1875	636	195	8	131
Mantels, Apparatus for marbleizing.....	R. J. Howdon.....	160, 911	Mar. 16, 1875	615	201	7	450
Maure, Apparatus for preparing and distributing liquid.....	E. H. Cummings.....	167, 155	Aug. 31, 1875	975	303	8	369
Manure-distributor.....	N. Tomlinson.....	159, 476	Feb. 2, 1875	223	73	7	215
Manure, Treating blood for the manufacture of.....	T. Myerson.....	163, 609	May 11, 1875	356	.....	7	801
Map-exhibitor.....	S. C. Adams.....	159, 758	Jan. 26, 1875	701	230	7	142
Map-exhibitor.....	J. Lichtenberger.....	159, 335	Feb. 2, 1875	90	31	7	196
Marble and process of molding the same, Artificial.....	W. Burnet.....	161, 005	Mar. 23, 1875	707	.....	7	472
Marble and tile, Machine for grinding.....	N. W. Robinson, F. W. Smith, and H. Campbell.....	162, 253	Apr. 20, 1875	615	200	7	670
Marble, Manufacture of artificial.....	J. Cowman and S. B. Barber.....	163, 977	June 1, 1875	113	.....	7	947
Marble, Manufacture of artificial.....	W. C. A. Roettger.....	169, 294	Oct. 26, 1875	945	.....	8	720
Marbleizing surfaces, Process of.....	S. W. Steele and J. Bayer.....	167, 034	Aug. 24, 1875	833	.....	8	343
Mariner's log.....	G. E. Elliott.....	170, 720	Dec. 7, 1875	60	18	8	9, 8
Marker, Corn.....	T. B. Kirkwood.....	169, 177	Oct. 26, 1875	839	273	8	706
Marker, Corn.....	J. McGregor.....	170, 287	Nov. 23, 1875	962	301	8	884
Marker, Corn.....	W. H. Rider.....	166, 939	Aug. 24, 1875	743	230	8	330
Marker, Corn.....	W. F. Senter.....	167, 275	Aug. 31, 1875	1075	335	8	383
Marker, Corn.....	M. A. Throckmoton.....	164, 234	June 8, 1875	372	126	7	992
Marker, Corn-row.....	A. G. Moore.....	163, 510	May 18, 1875	754	{ 239 240 }	7	869
Marker, Corn-row.....	W. M. Starlipper.....	162, 963	May 4, 1875	214	69	7	775
Marker, Land.....	J. Augspurger.....	168, 598	Oct. 11, 1875	2-1	91	8	611
Marking-board for pin-pools.....	G. H. Decker.....	165, 985	July 27, 1875	852	262	8	162
Marking-implement.....	J. O'Kane.....	168, 407	Oct. 5, 1875	80	27	8	576
Marking-pot.....	W. H. Rodden.....	167, 473	Sept. 7, 1875	80	25	8	418
Marking wheel.....	W. H. Bell.....	166, 583	Aug. 10, 1875	381	118	8	261
Marking-wheel.....	F. M. Truworthy.....	166, 162	July 27, 1875	1023	315	8	186
Marking wheel.....	S. E. Worrell.....	168, 362	Oct. 5, 1875	39	14	8	570
Mash-atiemperatore.....	W. Paddon.....	171, 310	Dec. 21, 1875	646	212	8	1051
Mashing and cooling, Process and apparatus for.....	G. Ellenberger.....	169, 156	Oct. 26, 1875	822	267	8	704
Mashing-machine.....	J. A. Miller.....	162, 248	Apr. 20, 1875	610	199	7	669
Mast and sail of vessels.....	J. W. Norcross.....	163, 944	June 1, 1875	85	29	7	992
Mast for boats, Hinged.....	C. E. Davenport and W. M. Purter.....	167, 439	Sept. 7, 1875	54	16	8	413
Mast-houps to sails, Attaching.....	C. S. Barnard.....	168, 127	Sept. 28, 1875	722	228	8	531
Mat: <i>See</i> Bird-cage mat. Door-mat. Floor-mat. Foot-mat. Oil-pressing mat. Spittoon-mat. Table-mat.							
Mats, Mechanism for weaving.....	D. M. Harman.....	161, 681	Apr. 6, 1875	80	28	7	550
Match box.....	E. S. Burchett.....	163, 846	June 1, 1875	9	3	7	932

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Match-box	O. H. Hicks	165,329	July 6, 1875	170	52	8	32
Match-box	J. Knox	161,127	Mar. 23, 1875	824	270	4	487
Match-box	T. Robertson	166,480	Aug. 10, 1875	299	90	2	249
Match, &c., box, Automaton	H. Roman	169,923	Nov. 16, 1875	612	190	8	829
Match-boxing machine	F. Mansfield	161,532	Mar. 30, 1875	1256	304	8	547
Match for lighting fuses, Slow	A. S. Wall	163,903	June 1, 1875	55	19	7	938
Match-making machine	P. Wallace	169,867	Nov. 9, 1875	549	171	8	813
Match-making machine	M. Young	160,376	Mar. 2, 1875	104	38	7	363
Match-safe	E. H. Whitney	169,129	Oct. 26, 1875	800	259	7	700
Match-safe	H. C. Wilcox	165,142	June 29, 1875	1237	398	4	1131
Match, Safety	E. Haanel	169,539	Nov. 2, 1875	153	.....	7	761
Match-split-cutting machine	W. B. Neilson	158,968	Jan. 19, 1875	594	197	12	121
Match-sticks, Machine for cutting	J. S. Pagley	169,246	Oct. 26, 1875	896	292	7	714
Match-sticking-cutting	A. Streit	162,114	Apr. 13, 1875	470	155	5	644
Mattress and bedstead, Combined	J. J. Bowen	171,596	Dec. 28, 1875	926	304	4	1098
Mattress and cushion	W. H. Horton	169,442	Nov. 2, 1875	110	35	5	750
Mattress frame, Woven-wire	W. J. Boda	170,333	Nov. 23, 1875	1004	315	7	890
Mattress, Sectional	G. Block	158,461	Jan. 5, 1875	96	33	2	22
Mattress-stuffing machine	J. B. Spurgin and W. J. Freeman	160,289	Mar. 2, 1875	29	11	7	353
Mattress, Woven-wire	A. Z. Boda	170,334	Nov. 23, 1875	1005	315	8	890
Measure, Adjustable graduated	T. B. Young and S. A. Davis	170,216	Nov. 23, 1875	839	281	7	875
Measure and funnel	J. D. Humphrey	164,000	June 1, 1875	135	47	7	949
Measure, Dry	D. M. Mcford	160,609	Mar. 9, 1875	328	111	7	405
Measure, Liquid	G. W. Aldrich	167,601	Sept. 14, 1875	210	65	8	443
Measure, Liquid	J. M. Hopkins	171,382	Dec. 21, 1875	710	235	8	1060
Measure, Liquid	J. McInnes	161,625	Apr. 6, 1875	31	12	7	573
Measure, Liquid	C. G. Morgan	169,652	Nov. 9, 1875	330	104	8	786
Measure, Liquid	E. A. Pontifex	162,575	Apr. 27, 1875	933	300	7	718
Measure register, Cloth	J. Brown, jr.	166,961	Aug. 24, 1875	769	237	8	333
Measure, Rotary	A. Chambers	164,424	June 15, 1875	570	185	7	1027
Measure, Tailor's	J. S. Church	166,257	Aug. 3, 1875	66	21	8	208
Measure, Tailor's	F. B. Smith	164,943	June 29, 1875	1068	344	7	1168
Measure, Tailor's	W. D. Tilsny	165,383	July 6, 1875	227	68	8	39
Measure, Tailor's	F. H. Ullrich	167,957	Sept. 21, 1875	533	171	8	498
Measure, Tailor's coat	J. S. Church	170,157	Nov. 23, 1875	848	265	8	868
Measure, Variable	C. P. Sullivan, jr.	168,679	Oct. 11, 1875	354	115	8	623
Measures, Pouring-lip for sheet-metal	A. C. Cummings	162,037	Apr. 14, 1875	395	133	8	635
Measuring apparatus, Cloth	J. J. Greenough	161,877	Apr. 13, 1875	266	89	7	618
Measuring apparatus, Liquid	E. E. P. Claussoles	166,502	Aug. 10, 1875	316	95	6	251
Measuring apparatus, Liquid	J. M. Hopkins	165,447	July 14, 1875	317	94	8	59
Measuring apparatus, Tailor's	A. H. Richey	165,056	June 29, 1875	1134	366	7	1117
Measuring distances and altitudes, Instrument for	E. C. Roberts	165,616	July 13, 1875	473	144	8	62
Measuring distances, Apparatus for	F. Weldon	165,282	July 6, 1875	124	38	8	56
Measuring instrument, Distance	W. F. Harrsch	160,823	Mar. 16, 1875	545	177	7	441
Measuring machine, Cloth	J. S. Gold	161,947	Apr. 13, 1875	326	109	7	626
Measuring machine, Cloth	M. Knott	164,694	June 8, 1875	249	85	7	976
Measuring machine, Cloth	J. Sullivan	162,973	May 4, 1875	224	72	8	776
Measuring packaged fabrics	S. C. Talcott	165,131	June 29, 1875	1226	594	7	1130
Measuring-tank	J. Lessler	160,530	Mar. 9, 1875	260	89	7	395
Meat and vegetable slicer	J. W. Murkland	160,921	Feb. 23, 1875	939	308	7	334
Meat, &c., Canning apparatus for	W. Leland	168,508	Oct. 5, 1875	171	55	8	589
Meat case or can, Convertible	A. Chambers, jr., and A. M. McCook	163,359	May 18, 1875	614	196	7	851
Meat-chopper	W. L. Fallis	166,865	Aug. 17, 1875	653	204	8	309
Meat-chopper	A. Nittinger, jr.	166,944	Mar. 16, 1875	617	211	7	455
Meat-chopper	J. Perkins	160,225	Feb. 23, 1875	941	309	7	334
Meat cutter	G. L. and J. B. Chadburn	170,053	Nov. 16, 1875	721	229	8	844
Meat-cutter	D. I. Degroat	167,649	Sept. 14, 1875	251	78	8	448
Meat-cutter	C. Fogelberg	162,969	May 4, 1875	158	51	7	708
Meat-cutter	H. P. Goddard	165,442	July 13, 1875	313	92	8	58
Meat-cutter	A. B. Good	165,413	July 13, 1875	314	92	8	58
Meat-cutter	J. P. Harris	161,510	Mar. 30, 1875	1207	388	8	544
Meat-cutter	J. H. Hollinger	161,961	Apr. 13, 1875	337	113	7	627
Meat-cutter	G. W. Rawson	170,898	Dec. 7, 1875	213	71	8	979
Meat-cutters, Chopping-block for	H. P. Rankin	162,886	Sept. 28, 1875	874	276	8	551
Meat-cutting apparatus	J. A. Morrell	158,804	Jan. 19, 1875	438	146	7	101
Meat-cutting apparatus	J. A. Morrell	158,805	Jan. 19, 1875	439	147	7	101
Meat for packing, Machine for cutting	W. Pitt	162,495	Apr. 27, 1875	867	278	7	709
Meat in cutting, Apparatus for holding	W. Tetley	167,710	Sept. 14, 1875	303	96	2	456
Meat-mangler	C. C. Kerr	170,378	Nov. 23, 1875	1011	327	8	895
Meat-powder	J. T. Black and J. Truax	166,332	Aug. 3, 1875	134	42	8	218
Meat-tenderer	G. R. Comstock	166,189	Aug. 3, 1875	7	3	8	200
Meat-tenderer	J. A. Cornish	159,393	Feb. 2, 1875	135	47	7	203
Meat-tenderer	A. G. W. Foster	166,199	Aug. 3, 1875	16	5	8	201
Mechanical device	J. F. Kelly	168,645	Oct. 11, 1875	337	106	8	618
Mechanical motor	J. W. H. Doubler	167,999	Sept. 21, 1875	537	183	5	503
Mechanical power	E. Cary	161,753	Apr. 6, 1875	141	49	7	5-9
Mechanical compound	J. Cooper	164,674	June 27, 1875	797	.....	7	1066
Medical purposes, Mask for	H. M. Rowley	115,955	July 27, 1875	823	253	8	157
Medicine	J. M. Adamson	169,251	Mar. 2, 1875	1	.....	7	349
Medicine	T. Biedenfeld	165,249	Aug. 3, 1875	58	.....	8	207
Medicine	L. P. Broad	167,737	Sept. 14, 1875	325	.....	8	459
Medicine	L. Corfman	166,853	Aug. 17, 1875	648	.....	8	308
Medicine	N. Sullivan	165,823	Aug. 17, 1875	617	.....	8	304
Medicine	I. T. Thrash	170,918	Dec. 7, 1875	232	.....	8	932
Medicine	C. C. Troutman	166,655	Aug. 10, 1875	445	.....	8	270
Medicine-dropper	J. Barnes	158,564	Jan. 12, 1875	202	69	7	53
Melting furnace, Metal	W. E. C. Eustis	166,757	Aug. 17, 1875	561	172	8	595
Meridian, Apparatus for finding true	H. C. Pearson	166,137	July 27, 1875	997	308	8	182
Metal axles, Apparatus for setting	F. Ilex	171,343	Dec. 21, 1875	672	222	8	1055
Metal bars, Enlarging the ends of	G. H. Sellers	162,422	Apr. 20, 1875	777	252	7	690
Metal bars, Machine for bending	A. H. Campbell	162,450	Oct. 5, 1875	114	39	8	582

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Metal-boring bit	W. McCrosson	159,948	Feb. 16, 1875	681	225	7	290
Metal bullion, Refining base	F. H. Bonsfield	162,891	May 4, 1875	139		7	765
Metal-coating composition	E. J. W. Burras	158,902	Jan. 19, 1875	533		7	113
Metal-creasing machine	G. W. and C. P. Howell	159,096	Jan. 26, 1875	734	{ 242 243 }	7	147
Metal-drill ratchet-brace	H. C. Hart	167,897	Sept. 21, 1875	489	155	8	491
Metal-drilling drill	J. B. Shaw and S. H. Lucas	162,315	Apr. 20, 1875	469	218	7	617
Metal-drilling drill	H. Smith	164,604	June 15, 1875	722	235	7	1047
Metal-drilling drill	D. L. Topham	163,342	May 18, 1875	601	192	7	849
Metal-drilling machine	J. S. Schoonover	167,026	Aug. 24, 1875	827	258	8	342
Metal-drilling machine	C. Van Haagen	159,481	Feb. 2, 1875	227	74	7	216
Metal or paper gage	E. W. Dennison	163,158	July 6, 1875	11	4	8	10
Metal pipes, Device for bending	M. L. Orum	166,293	Aug. 3, 1875	99	31	6	213
Metal plates, Apparatus for pickling	W. Gething, D. Jenkins, and S. Gardner	160,178	Feb. 23, 1875	899	296	7	328
Metal-rod-coiling machine for	P. H. Standish	159,367	Feb. 2, 1875	113	39	7	200
Metal-shears	T. C. Livesay and H. H. Black	168,908	Oct. 19, 1875	574	189	8	662
Metal tubing, Manufacture of	W. L. McNair	164,497	June 15, 1875	672	204	7	1035
Metal-turning tool	W. Clay	160,161	Feb. 23, 1875	887	292	7	326
Metal-turning tool	C. Cummings	161,007	Mar. 23, 1875	708	234	7	472
Metal-working machines, Tool-receptacle for	W. H. Hoffman	164,561	June 15, 1875	685	222	7	1042
Metals, Anti-friction	T. Harrington	162,665	Apr. 13, 1875	424		7	639
Metals, Apparatus for introducing refining materials into molten.	E. P. Hudson	165,929	July 27, 1875	800	245	8	155
Metals from oxidation, Preserving	A. Ara and M. Del Budda	163,291	May 18, 1875	551		7	843
Metallic can	G. W. Bell	167,870	Sept. 21, 1875	466	147	8	488
Metallic fastener	G. W. McGill	162,184	Apr. 20, 1875	551	181	7	662
Metallic pipes, Tin-lining	J. Ferguson	158,790	Jan. 19, 1875	425		7	99
Metallic rods and bars, Roll for rounding and smoothing.	T. S. Cook	162,155	Apr. 20, 1875	523	172	7	658
Metallic surfaces, Composition for covering	J. Ferguson	171,004	Dec. 14, 1875	334		8	1002
Metallic-tube-bending machine	J. M. Reid	170,309	Nov. 23, 1875	974	305	8	885
Metallic washer	M. G. Hubbard	162,386	Apr. 20, 1875	741	241	7	685
Metallurgic furnace	B. Bayliss	160,140	Feb. 23, 1875	868	287	7	324
Metallurgic furnace	J. Feix	160,662	Mar. 9, 1875	374	126	7	411
Metallurgic furnace	T. D. Morgan	163,795	May 25, 1875	1,014	321	7	911
Metallurgic furnace	W. Swindell	165,630	July 13, 1875	488	148	8	84
Metallurgic furnaces, Apparatus for supplying gas as a fuel to.	W. Rogers	164,876	June 23, 1875	987	{ 318 319 }	7	1690
Metallurgic heating-furnace	H. Ragot	159,039	Jan. 26, 1875	685	{ 226 227 }	7	149
Metallurgical furnace	E. Savage	171,321	Dec. 21, 1875	654	215	8	1052
Meter:							
See Fluid-meter.	Liquid and gas meter.						
Gas-meter.	Photometer.						
Grain-meter.	Water-meter.						
Liquid-meter.							
Meter	W. R. Baker	159,143	Jan. 26, 1875	774	254	7	152
Middlings-purifier	J. Brown	162,269	Apr. 20, 1875	630	205	7	672
Middlings-purifier	S. M. Brua	162,620	Apr. 27, 1875	970	312	7	723
Middlings-purifier	A. Crabtree	174,551	Dec. 28, 1875	883	289	9	1092
Middlings-purifier	S. Crittenden and J. Waters	162,276	Apr. 20, 1875	635	207	7	672
Middlings-purifier	R. L. Downton	167,158	Apr. 20, 1875	527	173	7	659
Middlings-purifier	W. J. Tender	159,505	Feb. 9, 1875	262	85	7	228
Middlings-purifier	J. F. Gandolfo	170,251	Nov. 23, 1875	933	290	8	880
Middlings-purifier	L. Gathman	161,875	Apr. 13, 1875	264	88, 89	7	618
Middlings-purifier	R. G. Ganer	166,770	Aug. 17, 1875	573	176	8	237
Middlings-purifier	C. T. Bauna	161,227	Mar. 23, 1875	914	299	7	499
Middlings-purifier	J. W. Houghtelin	162,555	Apr. 27, 1875	917	294	7	715
Middlings-purifier	A. Hunter	167,102	Aug. 24, 1875	902	281	8	352
Middlings-purifier	W. W. Huntley, A. P. Holcomb, and A. Heine	163,074	May 11, 1875	332	108	7	798
Middlings-purifier	E. W. Johnson	158,418	Jan. 5, 1875	58	20	7	17
Middlings-purifier	J. C. and F. C. Knoebel	165,240	July 6, 1875	91	27	8	21
Middlings-purifier	J. W. Metz	170,102	Nov. 16, 1875	772	244	8	851
Middlings-purifier	H. F. Notbohm	167,619	Sept. 14, 1875	225	70	8	445
Middlings-purifier	A. F. Ordway	168,177	Sept. 28, 1875	768	243	8	538
Middlings-purifier	J. Rigby	160,351	Mar. 2, 1875	84	30	7	360
Middlings-purifier	K. Schwat	164,070	May 11, 1875	293	95	7	793
Middlings-purifier	G. T. Smith	158,992	Jan. 19, 1875	618	205	7	124
Middlings-purifier	M. Lower	169,308	Oct. 26, 1875	961	311	8	722
Middlings-purifier	A. P. Teachout	169,061	Oct. 19, 1875	711	235	8	681
Middlings-purifier	J. L. Willford	171,542	Dec. 28, 1875	875	286	8	1091
Middlings-purifier	J. W. Wilson	158,771	Jan. 12, 1875	385	130	7	78
Milk-can	S. F. Hawley and H. A. Mead	166,525	Aug. 10, 1875	334	101	8	254
Milk-can	J. H. Lester	170,094	Nov. 16, 1875	765	242	8	850
Milk-can	J. W. Smith	165,768	July 20, 1875	623	191	8	119
Milk-can handle	E. B. Curtis	167,647	Sept. 14, 1875	250	78	8	448
Milk-can receptacle	N. Littlefield	171,294	Dec. 21, 1875	633	207	8	1049
Milk-conductor	E. Macy	161,899	Apr. 13, 1875	276	93	7	620
Milk-cooler	I. Barrows	163,443	May 18, 1875	685	{ 218 219 }	7	860
Milk-cooler	B. C. Bort	170,618	Nov. 30, 1875	1287	407	8	935
Milk-cooler	N. D. Ferguson	171,219	Dec. 21, 1875	565	186	8	1040
Milk-cooler	D. Gurnsey	161,952	Apr. 13, 1875	339	111	7	627
Milk-cooler	O. P. Haddock and F. W. Pierce	158,840	Jan. 19, 1875	471	158	7	105
Milk-cooler	W. H. Johnson	165,102	June 29, 1875	1204	387	7	1126
Milk-cooler	G. McEwan and C. O. Gibson	160,273	Mar. 2, 1875	17	7	7	351
Milk-cooler	F. M. Moor	164,197	June 8, 1875	336	115	7	987
Milk-cooler	H. S. Murray	162,574	Apr. 27, 1875	932	299	7	718
Milk-cooler	A. P. Myers	161,959	Apr. 13, 1875	352	118	7	629
Milk-cooler	L. C. Palmer	168,104	Sept. 28, 1875	699	{ 220 221 }	8	528
Milk-cooler	E. N. Porter and M. B. Eaton	165,364	July 6, 1875	201	60	8	33
Milk-cooler	P. Read and J. H. Allen	164,460	June 15, 1875	618	200	7	1036

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				Spec.	Dr.	Vol.	Page.
Milk-cooler.....	L. J. Roberts.....	152, 603	Jan. 12, 1875	239	81	7	57
Milk-cooler.....	W. R. Scotland.....	169, 195	Oct. 26, 1875	853	278	8	703
Milk-cooler.....	R. Smith.....	164, 048	June 1, 1875	182	65	7	976
Milk-cooler.....	I. H. Wanzer.....	171, 251	Dec. 21, 1875	594	195	8	1045
Milk-cooler.....	O. H. Willard.....	166, 651	July 27, 1875	912	281	7	170
Milk-cooler and cheese-vat	C. W. Grammis.....	161, 608	Apr. 6, 1875	17	7	7	571
Milk cooler and heater.....	M. L. Lush.....	170, 966	Dec. 14, 1875	318	105	8	1000
Milk-cooling apparatus.....	O. J. Stickle.....	159, 854	Feb. 16, 1875	592	196	7	278
Milk during transportation, Preserving	J. H. Lester.....	170, 603	Nov. 16, 1875	678	.....	8	838
Milk, Testing.....	A. Meucci.....	168, 273	Sept. 28, 1875	852	271	8	550
Milk-testing process.....	A. Middaugh.....	161, 142	Mar. 23, 1875	838	273	7	489
Milking-tube.....	S. A. Smith.....	163, 816	May 25, 1875	1032	327	7	913
Mill:							
See Barley-mill. Grinding-mill.							
Cheese-mill. Hemity-mill.							
Cider-mill. Rolling-mill.							
Coffee-mill. Saw-mill.							
Disintegrating-mill. Smtt-mill.							
Feed-mill. Stamp-mill.							
Fanning-mill. Stamping-mill.							
Flour-mill. Windmill.							
Fulling-mill.							
Mill.....	J. Aubin.....	167, 290	Aug. 31, 1875	1089	342	8	385
Mill.....	I. A. Hedges.....	170, 367	Nov. 23, 1875	1029	323	8	894
Mill.....	J. Kaiser.....	166, 466	Aug. 10, 1875	287	86	8	247
Mill-bulw-furrow eage.....	H. Wilhelm and S. F. Leyde.....	170, 143	Nov. 16, 1875	811	253	8	856
Mill bulwrs, Manufacture of iron.....	J. G. Baker.....	162, 008	Apr. 13, 1875	374	125	7	632
Muli-feed regulator.....	S. B. Kenworthy and J. R. Vanmeter.....	161, 885	Apr. 13, 1875	273	91	7	619
Mill spindle.....	R. S. Cathcart.....	160, 874	Mar. 16, 1875	585	199	7	446
Mill-spindle.....	W. Elliot.....	159, 567	Feb. 9, 1875	319	104	7	236
Mill-spindle.....	G. B. Root and W. W. Robinson.....	169, 847	Nov. 9, 1875	530	166	8	810
Mill-spindle bush.....	N. B. Lewis.....	166, 210	Aug. 3, 1875	25	8	8	202
Miller's paint-staff.....	W. Ransom.....	161, 155	Mar. 23, 1875	850	277	7	490
Milling-machine.....	W. Krutzsch.....	166, 704	Aug. 17, 1875	510	156	8	228
Milling-tool.....	E. F. Bonaventure.....	162, 739	May 4, 1875	4	2	7	747
Millstone.....	H. J. Fogly.....	171, 115	Dec. 14, 1875	432	144	8	1015
Millstone.....	G. T. Smith.....	160, 120	Nov. 16, 1875	787	250	8	853
Millstone-balance.....	J. A. Athlouse.....	160, *64	Mar. 16, 1875	577	188	7	445
Millstone-balance.....	S. Bernheisel.....	162, 143	Apr. 20, 1875	513	169	7	657
Millstone-balance.....	H. C. Byram.....	169, 304	Mar. 2, 1875	41	16	7	354
Millstone-balance.....	C. E. Goshert.....	160, 317	Mar. 2, 1875	56	20	7	357
Millstone-bearing.....	C. Juster.....	170, 346	Nov. 23, 1875	1013	318	8	892
Millstone-bush.....	S. Bernheisel.....	161, 000	Mar. 23, 1875	703	232	7	472
Millstone-bush.....	R. S. Cathcart.....	160, 875	Mar. 16, 1875	586	191	7	447
Millstone-dress.....	H. T. Ashworth.....	162, 878	May 4, 1875	128	42	7	704
Millstone-dress.....	J. Carvill and J. Caven.....	161, 097	Mar. 23, 1875	796	261	7	484
Millstone-dress.....	G. T. Smith.....	166, 419	Aug. 3, 1875	221	67	8	230
Millstone-dress.....	J. A. Witman and G. W. Seibert.....	162, 733	Apr. 27, 1875	10*2	346	7	737
Millstone-dressing.....	J. Williams.....	159, 133	Jan. 26, 1875	767	252	7	151
Millstone dressing machine.....	G. Heydrich.....	169, 449	Nov. 2, 1875	109	34	8	750
Millstone-dressing machine.....	D. Savage and H. Coleman.....	163, 811	May 25, 1875	1029	326	7	918
Millstone-dressing machine.....	C. A. Smith.....	165, 958	July 27, 1875	825	273	8	158
Millstone-dressing machine, Diamond	O. G. Vanderhoof.....	166, 570	Aug. 10, 1875	371	114	8	260
Millstone-driver.....	W. E. Sergeant.....	170, 454	Nov. 30, 1875	1128	356	8	915
Millstone-driver.....	H. Wilhelm.....	171, 459	Dec. 21, 1875	778	257	8	1069
Millstone proof-staff.....	J. C. Kepler.....	166, 929	Aug. 24, 1875	732	227	8	329
Millstone-spindle trammer.....	A. Eshelman.....	169, 157	Oct. 26, 1875	834	267	8	704
Millstone-staff.....	J. See.....	162, 419	Oct. 5, 1875	89	31	8	577
Millstone-staff.....	P. Sellers.....	168, 348	Oct. 5, 1875	26	10	8	568
Millstone-staff.....	G. T. Smith.....	169, 858	Nov. 9, 1875	541	169	8	812
Millstone tram and staff.....	M. T. Greenleaf and F. Kruse.....	170, 550	Nov. 30, 1875	1219	383	8	928
Millstones and spindles, Device for adjusting	S. Whitaker.....	166, 174	July 27, 1875	1035	318	8	187
Millstones, Balancing.....	W. Gosshorn.....	171, 373	Dec. 21, 1875	700	231	8	1059
Millstones, Counterbalancing.....	H. Klinkermann.....	166, 785	Aug. 17, 1875	585	180	8	299
Millstones, Making emery-rubbers for buhr	E. C. Hinzey.....	161, 414	Mar. 30, 1875	1114	360	7	532
Mincing-machine.....	J. A. Miller.....	162, 247	Apr. 20, 1875	610	199	7	669
Miner's tool.....	J. Holmes and P. P. Quirio.....	165, 580	July 13, 1875	439	133	8	78
Mines, Ventilating.....	L. J. Henry.....	162, 920	May 4, 1875	165	54	7	769
Mines, Ventilating apparatus for coal.....	F. Murphy.....	163, 098	May 11, 1875	354	{ 115	{ 7	801
Mining-apparatus.....	J. Bloss and E. J. White.....	159, 296	Feb. 2, 1875	48	17	7	191
Mining-apparatus.....	W. Bachley and T. Thorn.....	160, 303	Mar. 2, 1875	40	15	7	354
Mining-drill.....	J. S. Fleming.....	170, 249	Nov. 23, 1875	930	290	8	879
Mining-drills, Adjustable tripod for.....	J. H. Mandeville.....	164, 315	June 8, 1875	453	{ 148	{ 7	1002
Mining-machine.....	A. Crombie.....	171, 470	Dec. 28, 1875	805	265	8	1081
Mining-machine.....	J. J. Weinel.....	168, 817	Oct. 11, 1875	476	155	8	639
Mining-powder.....	R. Cabue.....	161, 325	Mar. 30, 1875	2027	.....	7	521
Mirror.....	A. Huber.....	163, 930	June 1, 1875	77	26	7	911
Mirror, Toilet.....	H. Palmieri.....	167, 538	Sept. 7, 1875	156	49	8	428
Mirror, Toilet.....	E. T. Starr.....	162, 777	May 4, 1875	39	12	7	752
Mirror, Window.....	D. J. Kennedy.....	165, 738	July 20, 1875	596	183	8	115
Mirrors, Process for producing amalgamated silvering for.....	J. J. E. Lenoir.....	166, 790	Aug. 17, 1875	589	.....	8	300
Miter-box.....	H. Dittenhafer.....	161, 014	Mar. 23, 1875	715	236	7	473
Miter-box.....	H. Hempel.....	159, 573	Feb. 9, 1875	323	106	7	236
Miter-box.....	P. and N. H. Johnson.....	166, 010	July 27, 1875	875	269	8	165
Miter-box.....	T. C. Lawrence.....	161, 690	Apr. 6, 1875	87	30	7	581
Miter-box.....	P. and W. G. Suydam.....	159, 368	Feb. 2, 1875	114	39	7	200
Miter, level, and plumb, Combined.....	J. Murray.....	167, 556	Sept. 7, 1875	155	48	8	428
Miter-machine.....	D. A. Fisher.....	160, 090	Feb. 23, 1875	827	272	7	318
Mitering machine.....	C. P. Poinier.....	159, 552	Feb. 9, 1875	309	100	7	234
Mitten.....	J. H. Peabody.....	160, 464	Mar. 2, 1875	185	64	7	375

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Mixer: See Dough-mixer.      Liquid-mixer.							
Mold: See Bobbin-casting mold.      Gear-wheel mold. Brick-mold.      Glass-mold. Casting-mold.      Glassware-mold. Cigar-mold.      Ingot-mold. Crucible-mold.      Sugar-mold. Electrotype seamless      Suppository-mold. mold.							
Molds, Mode of blackwashing	J. B. Ashton	165,196	July 6, 1875	54	16	8	16
Molder's flask	N. M. Chafee	159,793	Feb. 16, 1875	538	179 180	7	271
Molder's flask	H. H. Garrett	167,890	Sept. 21, 1875	453	153	8	490
Molder's match-plates, Machine for operating	J. T. Peet	169,473	Nov. 2, 1875	136	45	8	754
Molding apparatus	P. W. Doherty	170,070	Nov. 16, 1875	741	235	8	847
Molding, Apparatus for enameling	W. Wallick	163,825	May 25, 1875	1039	329	7	914
Molding, Enameling	A. C. White	161,187	Mar. 23, 1875	874	286	9	494
Molding-flask	B. B. Bunnell and G. T. B. Hosley	167,298	Aug. 31, 1875	1096	344	8	387
Molding for enameling, Process of preparing	M. A. Owens	171,629	Dec. 22, 1875	972	315	8	1104
Molding-instrument	D. Walther	165,633	July 13, 1875	490	149	8	85
Molding-machine	J. H. Blaisdell	162,343	Apr. 20, 1875	696	226	7	680
Molding-machine	B. B. Bunnell and G. T. B. Hosley	167,299	Aug. 31, 1875	1097	344	8	387
Molding-machine	A. H. Frank and G. Spire	165,729	July 20, 1875	582	178	8	113
Molding-machine	A. S. Gear	165,669	July 20, 1875	538	164	8	107
Molding-machine	T. F. Hammer	161,784	Apr. 6, 1875	106	57	7	593
Molding-machine	J. Hartzheim	161,959	Apr. 13, 1875	335	113	7	627
Molding-machine	L. Honston	171,134	Dec. 14, 1875	457	150	8	1018
Molding-machine	J. R. Locke	164,650	June 22, 1875	776	234	7	1063
Molding-machine	A. Miller	160,114	Feb. 23, 1875	847	279	7	321
Molding-machine	S. J. Peet, M. C. and J. C. Poland, jr., and J. W. Willis.	163,604	May 25, 1875	856	270	7	889
Molding-machine	G. W. Wetmore	163,491	Mar. 2, 1875	212	73	7	379
Molding, Machine for finishing wood	J. S. Loomis	164,097	June 8, 1875	251	86	7	976
Molding, Machine for making rope	O. P. Doray	161,600	Apr. 6, 1875	11	4, 5	7	570
Molding, Machine for making rope	H. Glauz	167,329	Aug. 31, 1875	1122	352 353	8	390
Molding, Machine for polishing	J. A. Dayton	165,073	June 29, 1875	1176	378	7	1123
Molding-machine pressure-fee, Adjusting	J. S. Loomis	171,296	Dec. 21, 1875	634	208	8	1050
Molding-machine, Variety	J. Sears	166,817	Aug. 17, 1875	612	110	8	303
Molding-machine, Wood	H. A. Holt	159,514	Feb. 9, 1875	279	90	7	230
Molding, Mode of dressing enameled	A. C. White	171,455	Dec. 21, 1875	774	256	8	1069
Molding, Picture-rod	A. C. Funston	157,027	Jan. 26, 1875	676	221	7	133
Monument	L. J. Millman	171,465	Dec. 21, 1875	734	241	8	138
Monument	M. A. Richardson	158,806	Jan. 19, 1875	493	106	7	108
Monument	J. N. and T. Wallis	169,751	Nov. 9, 1875	434	137	8	719
Monument, Glass	A. Pfeiffer	167,470	Sept. 7, 1875	78	24	8	417
Mop	C. B. Clark	163,460	May 18, 1875	700	223	7	862
Mop	E. Johnson and J. Barnes	165,588	July 13, 1875	446	135	8	78
Mop and brush holder	C. B. Clark	167,304	Aug. 31, 1875	1100	346	8	387
Mop and brush holder	C. B. Clark	170,325	Nov. 30, 1875	1192	376	8	924
Mop-head	C. B. Clark	166,342	Aug. 3, 1875	143	44	8	220
Mop-head	J. K. Clark	166,850	Aug. 17, 1875	645	201	8	308
Mop-wringer	M. Regan	165,949	July 27, 1875	819	251	8	157
Mortise cutter, Rectangular	J. Doyle	171,109	Dec. 14, 1875	427	142	8	1015
Mortise-lock, Sliding-door	B. Mallory	164,572	June 15, 1875	695	226	7	1044
Mortising-machine	J. J. Berger	171,261	Dec. 21, 1875	604	197 198	8	1046
Mortising-machine	J. Berry	165,294	July 6, 1875	136	41	8	27
Mortising-machine	S. Dreck	171,330	Dec. 21, 1875	689	227	8	1157
Mortising-machine	W. J. Ludlow	160,340	Mar. 2, 1875	75	26	7	359
Mortising-machine	S. Rydbeck	159,456	Feb. 2, 1875	198	65	7	212
Mortising-machine	M. G. Wilder, W. H. McNeil, S. H. Wilder, and H. C. Tyler.	168,696	Oct. 11, 1875	367	120	8	624
Mortising-machine	S. H. Wilder	162,987	May 4, 1875	237	76	7	778
Mortising-machine, Lock	C. J. Hardee	164,295	June 8, 1875	432	144	7	1000
Mortising-tool	G. Erlin	158,835	Jan. 19, 1875	467	157	7	104
Mosquito-bar frame	W. F. Howe	158,713	Jan. 12, 1875	335	114	7	21
Mosquito-canopy	L. E. Palmer	159,441	Feb. 2, 1875	181	61	7	710
Moss, Mode of curing	P. Unsworth	168,944	Oct. 19, 1875	602		8	666
Moth-trap	B. F. Daniel	169,966	Nov. 16, 1875	646	202	8	834
Moth-trap	W. Hollis	163,071	May 11, 1875	330	107	7	798
Moth-trap	J. Neal	164,199	June 8, 1875	337	115	7	988
Motion, Apparatus for transmitting	J. L. Scott	171,052	Dec. 14, 1875	375	123 124	8	1007
Motion, Apparatus for transmitting and regulating	J. Zengel	165,144	June 29, 1875	1238	399	7	1132
Motion, Converting	W. Dawes	170,531	Nov. 30, 1875	1199	378	8	925
Motion, Converting	J. M. Wilkinson	167,377	Aug. 31, 1875	1167	367	8	397
Motion, Device for converting	M. Grassman	170,427	Nov. 23, 1875	1088	342	8	902
Motion, Device for converting	G. Turner	164,783	June 22, 1875	895	291	7	1059
Motion, Device for transmitting	R. De Leidi	163,003	May 11, 1875	266	86	7	790
Motion for machinery, Stop	J. W. Askie	163,624	May 25, 1875	874	275	7	822
Motion, Machine for converting	D. C. Enrson	166,338	Aug. 3, 1875	140	43	8	219
Motion, Traverse	C. L. Noe	166,801	Aug. 17, 1875	601	186	8	301
Motive-power	E. Brettell and J. Lindsey	169,233	Oct. 26, 1875	888	289	8	713
Motive-power	P. B. Greene	166,271	Aug. 3, 1875	79	24	8	210
Motive-power engine	C. V. Wyss and H. Studer	162,785	May 4, 1875	47	15	7	753
Motive-power, Mode of obtaining	C. Faivre	159,660	Feb. 9, 1875	396	132	7	247
Motor: See Car-motor.      Mechanical motor. Electric motor.      Oil-motor. Hydraulic motor.      Sewing-machine motor. Machinery-motor.      Spring-motor.							
Motor	J. H. Bean	166,331	Aug. 3, 1875	133	41	8	218

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Motor	J. M. C. yee	160, 646	Mar. 9, 1875	338	121	7	409
Motor	H. Odell	160, 460	Mar. 2, 1875	182	63	7	374
Motor	J. G. Peterson	163, 689	May 25, 1875	923	294	7	899
Motor	C. Van De Mark	164, 407	June 15, 1875	553	180	7	1024
Mousing-hook	F. G. Appley	164, 125	June 8, 1875	274	94	7	979
Mousing-hook	N. E. Johnson and S. Adams	163, 660	May 25, 1875	902	286	7	896
Movement, Mechanical	W. F. and J. Barnes	164, 413	June 15, 1875	560	182	7	1025
Movement, Mechanical	W. F. and J. Barnes	164, 414	June 15, 1875	561	182	7	1025
Movement, Mechanical	A. and I. Beck	166, 958	Aug. 21, 1875	761	235	8	332
Movement, Mechanical	P. Bellinger	167, 213	Aug. 31, 1875	1025	318	8	376
Movement, Mechanical	P. Broadbrooks	166, 844	Aug. 17, 1875	636	198	8	307
Movement, Mechanical	O. Child	169, 341	Nov. 2, 1875	17	5	8	737
Movement, Mechanical	H. S. Combs and W. Rhodes	164, 076	June 8, 1875	232	81	7	973
Movement, Mechanical	P. M. Cummings	162, 462	Apr. 27, 1875	837	269	7	746
Movement, Mechanical	J. R. Devor	162, 538	Apr. 27, 1875	903	289	7	714
Movement, Mechanical	J. A. Hart and H. Scott	160, 427	Mar. 2, 1875	152	53	7	370
Movement, Mechanical	W. H. Hornum	171, 132	Dec. 14, 1875	455	149	8	1018
Movement, Mechanical	J. Hughes	169, 704	Nov. 9, 1875	386	121	8	793
Movement, Mechanical	G. Juegsgt.	171, 572	Dec. 28, 1875	903	295	8	1095
Movement, Mechanical	E. Leslie	170, 280	Nov. 23, 1875	955	299	8	881
Movement, Mechanical	J. McCloskey	168, 337	Oct. 5, 1875	18	7	8	567
Movement, Mechanical	J. McCloskey	168, 575	Oct. 11, 1875	260	85	8	609
Movement, Mechanical	J. F. McCormick	171, 399	Dec. 21, 1875	729	239	8	1062
Movement, Mechanical	J. A. Newell	162, 681	Apr. 27, 1875	1035	330	7	730
Movement, Mechanical	J. L. Scott	171, 053	Dec. 14, 1875	376	121	8	1008
Movement, Mechanical	D. Williams	159, 577	Feb. 16, 1875	616	204	7	282
Movement, Mechanical	C. B. Withington	170, 927	Dec. 7, 1875	239	82	8	982
Mower, Lawn	T. Caldwell	162, 626	Apr. 27, 1875	975	313	7	723
Mower, Lawn	H. C. Crowell	160, 882	Mar. 16, 1875	592	193	7	447
Mower, Lawn	S. A. Hand	158, 794	Jan. 19, 1875	429	143	7	99
Mower, Lawn	A. Turnbull and F. N. Frost	168, 810	Oct. 11, 1875	469	153	8	648
Mower, Lawn	H. T. West	159, 131	Jan. 26, 1875	765	252	7	151
Mower, Lawn	C. H. Salzman	167, 025	Aug. 24, 1875	826	257	8	342
Mowing and reaping machines, Pitman-box for					109	8	789
Mowing-machine	J. Ashcroft	169, 668	Nov. 9, 1875	348	110	8	789
Mowing-machine	W. W. Briglin	161, 322	Mar. 30, 1875	102	333	7	521
Mowing-machine	P. W. Brownback	159, 496	Feb. 9, 1875	251	82	7	227
Mowing-machine	W. F. Cochrane	158, 910	Jan. 19, 1875	519	179	7	113
Mowing-machine	E. C. Dewers	159, 894	Feb. 16, 1875	549	183	7	273
Mowing-machine	W. C. Doatbett	170, 665	Dec. 7, 1875	40	3, 4	8	952
Mowing-machine	D. H. Gage	169, 162	Oct. 26, 1875	827	268	8	704
Mowing-machine					235	7	475
Mowing-machine	J. Garfield	161, 024	Mar. 23, 1875	725	239	7	475
Mowing-machine	A. Gordon, G. Telford, and J. H. Myers	163, 183	May 11, 1875	432	140	7	811
Mowing-machine	A. G. Gray	169, 435	Nov. 2, 1875	105	33	8	749
Mowing-machine	A. L. Little	164, 192	June 8, 1875	332	113	7	987
Mowing-machine	D. Lochhead	165, 451	July 13, 1875	324	95	8	60
Mowing-machine	J. P. F. E., and O. E. Lord	161, 136	Mar. 23, 1875	834	272	7	488
Mowing-machine	W. Lorey	162, 082	Apr. 13, 1875	437	145	7	640
Mowing-machine	J. P. Manny	169, 019	July 27, 1875	883	273	8	166
Mowing-machine	H. C. and D. C. Markham	161, 533	Mar. 30, 1875	1227	395	7	547
Mowing-machine	D. S. Morgan and T. Molley	159, 277	Feb. 2, 1875	31	11, 12	7	189
Mowing-machine	G. H. Weeks	158, 553	Jan. 5, 1875	174	63	7	33
Mowing-machine	C. Wheeler, jr.	165, 461	July 13, 1875	334	98	8	51
Mowing-machine	C. Wheeler, jr., and H. J. Case	163, 709	May 25, 1875	941	299	7	901
Mowing-machine	D. Wolf	168, 700	Oct. 11, 1875	371	121	8	625
Mowing-machine	W. A. Wood	161, 128	May 11, 1875	381	123	7	805
Mowing-machine	W. A. Wood, E. Borrbay, and J. M. Roscbrooks	168, 951	Oct. 19, 1875	607	201	8	667
Mowing-machine knives, Machine for sharpening	G. V. Phelps	166, 629	Ang. 10, 1875	423	131	8	267
Mowing-machine lever attachment	A. B. Conde	161, 423	Mar. 30, 1875	1177	378	7	540
Mucilage-holder	H. T. Cushman	163, 919	June 1, 1875	67	23	7	940
Muff	E. Winkler	165, 645	July 13, 1875	503	154	8	86
Muff-block former	E. Sirret	164, 849	Oct. 19, 1875	516	169	8	654
Muff, Ear	E. Strausz	165, 273	July 6, 1875	118	36	8	25
Muff, Head	H. Fürst	167, 234	Aug. 31, 1875	1012	324	8	379
Muff, Head	I. B. Kleinert	167, 543	Sept. 7, 1875	145	44	8	426
Muffler, Ear	B. Edgar	170, 942	Dec. 14, 1875	273	91	8	994
Mug, Shaving	D. Weston	162, 921	May 4, 1875	161	55	7	769
Mule-carriages, Buffer for	J. W. Whitehead	166, 435	Aug. 3, 1875	239	73	8	233
Music-box	C. Paillard	161, 053	Mar. 23, 1875	751	247	7	478
Music-holder, Sheet	R. J. Beck	163, 966	June 1, 1875	105	36	7	945
Music-leaf turner	G. M. Cohen and G. Dietz	163, 637	May 25, 1875	884	279	7	893
Music-leaf turner	G. L. Dimpfel	161, 399	Mar. 2, 1875	124	45	7	367
Music-leaf turner	F. G. Johnson	160, 826	Mar. 16, 1875	548	178	7	441
Music-leaf turner	F. G. Johnson	167, 541	Sept. 7, 1875	143	44	8	426
Music-leaf turner	W. H. Krigg	159, 101	Jan. 26, 1875	739	244	7	148
Music-leaf turner	E. A. Maedel	160, 449	Mar. 2, 1875	175	66	7	373
Music-leaf turner	W. Miller	170, 103	Nov. 16, 1875	723	245	8	851
Music-recorder, Automatic	G. Landrien	163, 932	June 1, 1875	78	26, 27	7	891
Music-sheet, Electric	W. F. and H. Schmoel, jr.	170, 402	Nov. 23, 1875	1067	336	8	949
Music-stand	J. Lyons	165, 346	July 6, 1875	188	56	8	31
Music-stand, Folding	E. A. White	163, 805	June 1, 1875	56	19	7	938
Music-teaching apparatus	J. A. Scarritt	162, 770	May 4, 1875	31	11	7	751
Musical-game apparatus	E. Draper	164, 641	June 23, 1875	767	212	7	1062
Musical-instrument, Brass	H. G. Lehnert	158, 594	Jan. 12, 1875	232	78	7	56
Musical-instrument insulator	W. R. Miller	158, 856	Jan. 19, 1875	481	162	7	107
Musical-instrument key-board	M. H. McChesney	161, 806	Apr. 6, 1875	185	63	7	595
Musical-instrument string	J. Farmer and J. B. Hamilton	160, 173	Feb. 23, 1875	895	295	7	328
Musical-instrument string	J. B. Hamilton	161, 226	Mar. 23, 1875	913	299	7	499
Musical instruments, Mouth-piece for	C. G. Conn	160, 164	Feb. 23, 1875	849	293	7	327
Musical merchandise-box	J. Restein	159, 218	Jan. 26, 1875	846	277	7	162

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Nail:							
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Nail.....	A. Marotzki.....	168, 037	Sept. 21, 1875	608	195	8	509
Nail-assorting machine.....	J. Coyne.....	159, 082	Jan. 26, 1875	723	239	7	145
Nail blanks, Machine for making wrought.....	T. T. Wood.....	163, 619	May 25, 1875	869	274	7	891
Nail-cutting machine.....	W. Wickersham.....	167, 420	Sept. 7, 1875	38	11	8	411
Nail-driving machine.....	W. S. Watson.....	158, 763	Jan. 12, 1875	374	128	7	76
Nail-extractor.....	I. N. Burdick.....	167, 740	Sept. 14, 1875	328	165	8	460
Nail-extractor.....	M. D. Converse.....	162, 274	Apr. 20, 1875	634	266	7	672
Nail-forging machine.....	S. S. Cutnam.....	161, 154	Mar. 23, 1875	848	276 277	4	490
Nail-forging machine.....	J. Roy.....	169, 045	Oct. 19, 1875	698	230	8	678
Nail-forging machines, Feed device for.....	L. A. Dodge.....	166, 857	Aug. 17, 1875	653	203	8	309
Nail-heads, Socket for attaching ornamental.....	T. C. Richards.....	166, 145	July 27, 1875	1007	310	8	184
Nail-heading machine, Wrought.....	T. T. Wood.....	163, 620	May 25, 1875	871	274	7	891
Nail machine, Cut.....	J. T. Westwood.....	159, 783	Feb. 16, 1875	529	176	7	270
Nail-plate feeder.....	W. H. Field.....	160, 314	Mar. 2, 1875	54	19	7	356
Nail-plate feeder.....	W. H. Field.....	171, 005	Dec. 14, 1875	335	111	8	1002
Nail-plate feeder.....	D. W. Keith.....	159, 932	Feb. 16, 1875	666	220 221	7	288
Nail-plate feeder.....	M. Leach.....	170, 602	Nov. 16, 1875	675	212 213	8	838
Nail-plate feeder.....	G. H. Ryan.....	170, 118	Nov. 16, 1875	784	249	8	853
Nail-plate feeder.....	L. Soule.....	165, 603	July 20, 1875	557	176	8	109
Nail-plate-rolling machine.....	H. Woods.....	166, 577	Aug. 10, 1875	376	116	8	260
Nail-rolling machines, Conductor for.....	R. E. Cadv.....	165, 474	July 13, 1875	346	101	8	63
Nail-separator.....	I. N. Bumbaugh.....	171, 213	Dec. 21, 1875	559	184	8	1640
Nails, Making chisel-pointed.....	G. Stacy.....	165, 389	July 6, 1875	221	66	8	59
Nails, Manufacture of cut.....	G. Stacy.....	166, 821	Aug. 17, 1875	616	191	8	304
Nailing-machines, Nail-feed attachment for.....	F. Kochow.....	161, 332	June 8, 1875	465	154	7	1064
Napkin-holder.....	W. Clark.....	161, 667	Apr. 6, 1875	70	25	7	579
Napkin-holder.....	C. Rowland.....	167, 411	Sept. 7, 1875	30	9	8	410
Napped fabric.....	L. W. Whipple.....	164, 626	June 15, 1875	739	242	7	1050
Navigator's bearing-indicator.....	J. D. Leach.....	170, 001	Nov. 16, 1875	674	212	8	838
Neck-tie.....	A. G. Adams.....	160, 806	Mar. 16, 1875	533	172	7	439
Neck-tie.....	A. P. Damon.....	167, 507	Sept. 7, 1875	110	34	8	422
Neck-tie.....	J. H. Fleisch.....	162, 638	Apr. 27, 1875	984	316	7	734
Neck-tie.....	W. H. Hart.....	159, 921	Feb. 16, 1875	655	217	7	287
Neck-tie.....	A. Heilenberg.....	165, 577	July 13, 1875	436	132	8	77
Neck-tie.....	O. Kueppers.....	159, 272	Feb. 2, 1875	28	9	7	188
Neck-tie.....	A. Landes.....	165, 593	July 13, 1875	450	136	8	79
Neck-tie.....	R. K. Parker.....	168, 066	Oct. 11, 1875	344	112	8	621
Neck-tie.....	S. Solomon.....	165, 625	July 13, 1875	484	147	8	84
Neck-tie.....	G. G. Struhar.....	171, 327	Dec. 21, 1875	659	217	8	1053
Neck-tie fastener.....	J. H. Harrington.....	165, 488	July 13, 1875	338	105	8	65
Neck-tie fastener.....	J. Waehner.....	170, 651	Nov. 30, 1875	1314	415	8	940
Neck-tie fastening.....	E. Berliner.....	161, 378	Mar. 30, 1875	1082	356	7	528
Neck-tie holder.....	M. A. Head.....	162, 287	Apr. 20, 1875	43	216	7	624
Neck-tie retainer.....	G. Barnham, jr.....	167, 300	Aug. 31, 1875	1097	345	8	387
Neck-tie retainer.....	W. H. Hart, jr.....	168, 993	Oct. 19, 1875	647	213	8	672
Neck-tie shield.....	O. Kueppers.....	159, 422	Feb. 2, 1875	162	55	7	207
Neck-tie shield.....	R. R. Parker.....	160, 117	Feb. 23, 1875	850	280	7	321
Neck-tie supporter.....	B. F. Bean.....	160, 298	Mar. 2, 1875	36	14	7	354
Needle-blank-swaging machine.....	P. M. Beers.....	165, 976	July 27, 1875	842	259 260	8	160
Needle-blank-trimming machine.....	P. M. Beers.....	166, 245	Aug. 3, 1875	55	17	8	207
Needle blanks, Device for turning machine.....	E. Santer.....	160, 238	Feb. 23, 1875	953	313	7	336
Needle-blanks, Machine for bevelling the ends of.....	S. C. Kingman.....	160, 666	Mar. 9, 1875	594	133	7	414
Needle-book.....	F. Swan.....	160, 849	Mar. 16, 1875	564	183	7	443
Needle-case.....	A. Fowler.....	160, 414	Mar. 2, 1875	140	49	7	369
Needle-case.....	O. Nauen.....	169, 039	Oct. 19, 1875	683	225	8	676
Needle-case.....	W. H. Ycomans.....	162, 989	May 4, 1875	240	77	7	779
Needle, Price-tag.....	L. B. Benton.....	162, 521	Apr. 27, 1875	889	284	7	712
Needle, Sail-maker's.....	H. M. Jenkins.....	171, 620	Dec. 28, 1875	963	311	8	1103
Needle-sharpener.....	T. D. Cashin.....	165, 549	July 13, 1875	405	121	8	72
Needle-stamping machine.....	P. M. Beers.....	165, 975	July 27, 1875	841	259	8	169
Needle-threader.....	P. E. Lambert.....	170, 278	Nov. 23, 1875	954	299	8	883
Needle-wrapper.....	A. K. J. Hillips.....	166, 550	Aug. 10, 1875	354	109	8	257
Needles, Machine for flattening the shanks of machine.....	S. C. Kingman.....	161, 240	Mar. 23, 1875	927	302	7	501
Needles, Machine for making cutters for grooving.....	R. Thompson.....	159, 863	Feb. 16, 1875	631	200	7	280
Needles, Machine for polishing eyes of.....	P. M. Beers.....	165, 977	July 27, 1875	844	266	8	160
Needles, Machine for polishing eyes of.....	P. M. Beers.....	166, 246	Aug. 3, 1875	56	18	8	207
Needles, Machine for polishing eyes of machine.....	J. Berry.....	165, 532	July 13, 1875	397	119	6	71
Needles, Machine for punching eyes of machine.....	S. C. Kingman.....	162, 175	Apr. 20, 1875	543	178	7	601
Needles, Machine for polishing eyes of machine.....	S. C. Kingman.....	163, 384	May 18, 1875	635	204	7	853
Nest, Fowl's.....	S. S. and C. R. Jackson.....	168, 838	Oct. 19, 1875	506	163	8	652
Nest, Hen's.....	J. P. Clement.....	164, 971	June 29, 1875	1019	331	7	1111
Net, Fly.....	L. B. and G. W. Lee.....	164, 668	May 25, 1875	937	298	7	896
Net, Landing.....	C. F. Nason.....	167, 189	Aug. 31, 1875	1003	312	8	373
Nets, Machine for the manufacture of.....	J. H. Coevroet.....	169, 522	Nov. 9, 1875	179	60	8	759
Newspaper heads, Device for changing.....	P. Forsyth.....	159, 172	Jan. 26, 1875	81	262	7	156
Nickel-plating, Manufacture of anodes for.....	E. Weston.....	166, 433	Aug. 3, 1875	27	8	8	233
Night-soil and sewage apparatus.....	C. E. Frazier.....	168, 473	Oct. 5, 1875	175	45	8	584
Night-soil apparatus.....	R. S. Gillespie.....	168, 477	Oct. 5, 1875	139	47	8	585
Night-soil, Apparatus for removal of.....	W. Painter.....	167, 701	Mar. 9, 1875	499	157	7	416
Night-soil from tanks to ears, &c., Apparatus for transferring.....	W. Painter.....	162, 945	May 4, 1875	193	63	7	772
Night-soil tanks, Discharge-gate for.....	W. Painter.....	160, 702	Mar. 9, 1875	411	137	7	416
Night-soil tanks, Measuring-indicator for.....	W. Painter.....	160, 703	May 9, 1875	412	17	7	416
Night-soil transit-tank.....	W. Painter.....	162, 238	May 11, 1875	431	157	7	817
Nipple, Rubber.....	A. M. Knapp.....	167, 613	Sept. 14, 1875	221	69	8	444

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Nitro-glycerine, Manufacture of nitro-sulphuric acid for manufacturing.	P. Castellanos.....	164,260	June 8, 1875	398	.....	7	995
Nitro-glycerine manufacture, Recovering acids from residuum of.	P. Castellanos.....	164,261	June 8, 1875	399	.....	7	995
Nozzle, Can	R. T. Bush.....	159,896	Feb. 16, 1875	634	210	7	284
Nozzle, Compound hose-pipe	C. L. Jones.....	162,388	Apr. 20, 1875	743	242	7	665
Nozzle for steam-engines, Exhaust	H. D. Dunbar.....	164,277	June 8, 1875	415	139	7	998
Nozzle, Hose	M. S. Curllis.....	161,763	Apr. 6, 1875	149	51	7	590
Nozzle, Hose	L. W. McGaffey.....	170,751	Dec. 7, 1875	91	29	8	962
Nozzle, Hose	B. Oyston.....	166,803	Aug. 17, 1875	602	186	8	301
Nozzle, Hose	W. Thomson.....	166,654	Aug. 10, 1875	415	138	8	570
Nozzle, Hose	J. Toomey.....	170,604	Nov. 30, 1875	1272	401	8	934
Nozzle, Hose	C. S. Westland.....	170,138	Nov. 16, 1875	803	254	8	855
Nozzle, Hose-pipe	S. Reid.....	170,397	Nov. 23, 1875	1062	334	8	898
Nozzle joint, Hydraulic	J. J. Crawford.....	167,505	Sept. 7, 1875	107	34	8	422
Nozzle, Oil-can	W. Doe.....	162,223	Apr. 20, 1875	585	192	7	666
Nozzle, Oil-can	G. H. Perkins.....	175,161	Dec. 14, 1875	426	160	8	1022
Nozzle, Water-sprinkling	C. H. Miller.....	165,114	June 29, 1875	1211	390	7	1128
Nozzles, Stand or holder for hose-pipe	O. Edwards.....	169,344	Nov. 2, 1875	19	6	8	737
Numbering, embossing, and inking bonds, &c., Machine for.	L. C. Bodel, J. Masse, and W. Webster.....	161,473	Mar. 50, 1875	1166	375	7	539
Numbering machine, Consecutive	T. S. Bowman.....	166,681	Aug. 17, 1875	420	150	8	285
Numbering printing-plate	T. Richards.....	165,871	July 20, 1875	730	223	8	133
Nursery-chair	A. E. Barnes.....	168,900	Oct. 19, 1875	616	205	8	668
Nursery-chair	J. F. Downing.....	166,079	July 27, 1875	938	290	8	174
Nursery-chair	C. A. Watsou.....	162,594	Apr. 27, 1875	959	305	7	720
Nursery-chair seat	S. S. Newton.....	166,474	Aug. 10, 1875	294	88	8	248
Nursing apparatus	F. F. Marsh and A. F. Thompson.....	163,022	May 11, 1875	283	92	7	792
Nut-fastening	R. C. Watson.....	168,690	Oct. 11, 1875	361	118	8	624
Nut-lock	J. J. Adgate.....	159,136	Jan. 26, 1875	768	254	7	152
Nut-lock	J. J. Adgate.....	160,862	Mar. 16, 1875	576	187	7	445
Nut-lock	J. B. Atwood.....	168,597	Oct. 11, 1875	281	91	8	611
Nut-lock	S. G. and A. Barker.....	168,958	Oct. 19, 1875	614	204	8	668
Nut-lock	D. and S. A. Beaton.....	166,857	Aug. 24, 1875	760	235	8	332
Nut-lock	S. Brunson.....	162,270	Apr. 20, 1875	631	205	7	672
Nut-lock	L. Chapman.....	168,830	Oct. 19, 1875	469	163	8	651
Nut-lock	R. Cramer.....	162,036	Apr. 13, 1875	395	133	7	635
Nut-lock	C. J. Cummings.....	159,306	Feb. 2, 1875	55	21	7	192
Nut-lock	W. C. Gould.....	161,949	Apr. 13, 1875	327	110	7	626
Nut-lock	J. J. Gray.....	159,508	Feb. 9, 1875	272	88	7	229
Nut-lock	F. C. Hamilton.....	168,483	Oct. 5, 1875	196	49	8	586
Nut-lock	A. E. Harris.....	168,156	Sept. 28, 1875	752	237	8	536
Nut-lock	H. L. Heaton.....	163,489	May 18, 1875	739	233	7	666
Nut-lock	C. Hedderson.....	168,489	Oct. 5, 1875	152	50	8	586
Nut-lock	C. L. Dooland.....	162,167	Apr. 20, 1875	536	176	7	660
Nut-lock	C. Holton.....	168,021	Sept. 21, 1875	532	189	8	507
Nut-lock	S. T. Hughes.....	161,235	Mar. 23, 1875	923	301	7	500
Nut-lock	D. D. Jones.....	165,167	July 6, 1875	19	6	8	11
Nut-lock	T. B. Keating and T. G. Bristol.....	169,908	Nov. 16, 1875	598	186	8	828
Nut-lock	J. M. Kent.....	166,113	July 27, 1875	973	390	8	179
Nut-lock	O. B. Latham.....	164,846	June 22, 1875	955	310	7	1087
Nut-lock	R. Long.....	169,647	Nov. 9, 1875	327	103	8	785
Nut-lock	W. F. Marthens.....	164,747	June 22, 1875	864	281	7	1075
Nut-lock	B. J. Noonan.....	159,706	Feb. 9, 1875	439	147	7	253
Nut-lock	W. P. Olden.....	164,868	June 22, 1875	979	316	7	1089
Nut-lock	J. G. Perry.....	167,469	Sept. 7, 1875	78	21	8	417
Nut-lock	C. B. Rager.....	170,015	Nov. 16, 1875	688	216	8	840
Nut-lock	J. A. Shoemaker and D. D. Jones.....	167,944	Sept. 21, 1875	523	167	8	497
Nut-lock	B. B. Snyder, jr.....	160,211	Feb. 23, 1875	955	314	7	336
Nut-lock	O. T. Welch.....	161,262	Mar. 30, 1875	1153	373	7	518
Nut-lock	J. M. Whitmore.....	165,697	July 20, 1875	562	171	8	110
Nut-lock	J. C. Wright.....	164,505	June 15, 1875	639	267	7	1035
Nut-lock	J. C. Wright.....	167,967	Sept. 21, 1875	540	173	8	499
Nut-lock washer	J. Miller, jr.....	158,962	Jan. 19, 1875	589	195	7	120
Nut-lock washers, Punch for making	K. H. Loomis.....	171,148	Dec. 14, 1875	471	151	8	1020
Nut-machine	P. L. Fitrer.....	159,252	Feb. 2, 1875	10	3	7	186
Nut-machine	W. Horsfall.....	160,194	Feb. 23, 1875	912	390	7	330
Nut or collar lock	E. Barrowclough.....	159,491	Feb. 9, 1875	249	81	7	227
Nut-tapping machine	S. L. Worsley.....	166,490	Aug. 10, 1875	306	92	8	250
Nut, Wrench	J. Conway.....	171,253	Dec. 21, 1875	6-3	225	8	1056
Nuts, Machine for making box	A. Marland and W. J. Lewis.....	162,838	May 4, 1875	92	30	7	759
Nuts, Manufacture of hexagonal	G. Johusen.....	171,023	Dec. 14, 1875	347	116	8	1064
Nuts, Manufacture of hexagonal	A. Marland.....	162,837	May 4, 1875	91	30	7	759
O.							
Oar	W. Lyman.....	169,277	Oct. 26, 1875	929	302	8	718
Oar-lock	G. H. Hurd.....	167,526	Sept. 7, 1875	139	42	8	426
Oar-lock, Folding	A. W. Thornton and M. Vice.....	163,115	May 11, 1875	369	120	7	803
Oatmeal-machine	A. J. Ehrriehson.....	173,536	Nov. 30, 1875	1503	379	8	926
Oatmeal-machine	W. Heston.....	170,569	Nov. 30, 1875	1228	3-6	8	829
Oatmeal-machine	H. Kruse.....	170,745	Dec. 7, 1875	84	27	8	961
Oats-screen	J. N. Bell.....	160,999	Mar. 23, 1875	703	232	7	472
Obstetrical supporter	W. E. Stainback.....	161,362	Mar. 30, 1875	1060	345	7	525
Offal-presses, Dumping attachment for	T. Webber.....	168,545	Oct. 5, 1875	279	68	8	594
Offal-treating apparatus	G. S. Allyn.....	163,565	May 25, 1875	817	259	7	885
Office table and bed combined	D. Walker.....	160,801	Mar. 16, 1875	528	171	7	438
Oil and other presses	A. Sheldock.....	162,198	Apr. 20, 1875	563	185	7	663
Oil-can	J. Askwith.....	166,956	Aug. 24, 1875	760	235	8	332
Oil-can	G. K. Haswell.....	164,169	June 8, 1875	315	107	7	984
Oil-can	A. O. Kittredge and W. H. and W. J. Clark.....	164,378	June 15, 1875	524	172	7	1021
Oil-can	E. Knessner and T. Breuer.....	169,109	Oct. 26, 1875	782	254	8	697
Oil-can	F. Lehr.....	158,721	Jan. 12, 1875	343	116	7	72



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Oil-can	N. Peterson	169, 576	Nov. 2, 1875	236	78	8	766
Oil-can	T. Roddick	165, 257	July 6, 1875	106	31	7	23
Oil-can	A. Wood	162, 131	Apr. 13, 1875	467	161	8	646
Oil-can spout	D. G. Dustin	170, 718	Dec. 7, 1875	59	18	8	958
Oil-can sink	F. C. Wyckoff	165, 389	July 6, 1875	246	74	4	42
Oil-cloth and matting, Binding for	A. and E. A. Underwood	168, 943	Oct. 19, 1875	601	199	8	666
Oil-cloth, &c., drying apparatus	A. Wilder	159, 876	Feb. 16, 1875	615	203	7	281
Oil cloth polishing machine	J. Webber, jr	162, 440	Apr. 20, 1875	795	258	7	692
Oil compound and preparing the same, Paint.	D. S. Robinson	159, 710	Feb. 9, 1875	441	.....	7	251
Oil compound, Paint.	D. S. Robinson	167, 622	Sept. 14, 1875	227	.....	8	445
Oil, Compound resembling linseed	A. Rieder	168, 168	Sept. 28, 1875	703	.....	8	529
Oil-cup	J. Graham	167, 332	Aug. 31, 1875	1125	353	8	391
Oil-cup	J. G. Hallas and W. N. Weedon	161, 783	Apr. 6, 1875	165	57	7	593
Oil, Meal-molders in the manufacture of linseed	A. Judson	162, 826	May 4, 1875	82	27	7	758
Oil motor, Coal	F. Lürger	170, 813	Dec. 7, 1875	142	47	8	969
Oil-press	C. L. Morchouse	170, 488	Nov. 3, 1875	1160	366	8	929
Oil-pressing mat	T. M. Murphy	170, 886	Dec. 7, 1875	203	70	8	978
Oil-reducing apparatus, Crude	W. C. Parker	169, 189	Oct. 26, 1875	847	276	8	708
Oil-reservoir, Safety	T. Scantlin	168, 676	Oct. 11, 1875	351	115	8	622
Oil safety-tank	J. H. Hayward	160, 520	Mar. 9, 1875	251	86	7	393
Oil-tank can	H. E. Wolcott	163, 289	May 11, 1875	533	172	7	824
Oil-tank extinguisher	R. Dittrich	165, 078	June 29, 1875	1181	380	7	1123
Oil, Tank for retailing coal	J. H. Boardman	163, 140	May 11, 1875	391	126	7	806
Oil-tanks, Man-hole cover for	W. H. Anderson	170, 697	Dec. 7, 1875	40	12	8	956
Oil-tanks, Man-hole for	W. H. Anderson	166, 446	Aug. 10, 1875	270	81	8	245
Oils, Method and apparatus for burning	E. E. Rice	168, 782	Oct. 11, 1875	445	145	8	635
Oils, Process for manufacturing lubricating	T. J. Gordon and D. H. Bumpus	162, 377	Apr. 20, 1875	735	.....	7	684
Oils, Refining	A. T. Schmidt	164, 694	June 22, 1875	815	.....	7	1069
Oils, Storage and delivery tank for explosive and inflammable.	P. and G. R. F. Sinibaldi	163, 538	May 18, 1875	779	247	7	872
Oils, Treating	V. G. Bloede	159, 887	Feb. 16, 1875	627	208	7	923
Oiler	H. E. Bohm, H. Stuhr, and P. J. Joecken	164, 962	June 29, 1875	1083	349	7	1110
Oiler	G. F. Dutton	165, 987	July 27, 1875	853	263	8	162
Oiler	I. Levy	161, 693	Apr. 6, 1875	89	31	7	582
Oiler	S. S. Newton	169, 187	Oct. 26, 1875	846	276	8	708
Oiler	R. B. Perkins	164, 589	June 15, 1875	719	231	7	1046
Oiler, Crank-wrist	C. Kurth	168, 163	Sept. 28, 1875	759	240	8	537
Oiler, Machine	S. Hutchinson, jr	164, 090	June 8, 1875	244	84	7	975
Oiler, Machinist's	O. J. Backus	171, 339	Dec. 21, 1875	707	221	8	1054
Oiling apparatus spindle	C. B. Battick and T. B. Flanders	167, 823	Sept. 21, 1875	422	134	8	481
Oiling spindles, Apparatus for	C. G. Battick and T. B. Flanders	159, 409	Feb. 9, 1875	256	83	7	228
Ointment	J. B. and S. W. Brown	169, 949	Nov. 16, 1875	634	.....	8	832
Oleaginous matter from textile material, Apparatus for extracting.	R. Sealife	160, 550	Mar. 9, 1875	277	94	7	397
Opera-chair	G. W. Borcl	160, 641	Mar. 9, 1875	355	120	7	409
Opera-chair	I. Chase and G. M. Ball	168, 874	Oct. 19, 1875	536	176	8	656
Opera chair	J. Richardson	162, 951	May 4, 1875	199	65	7	773
Opera-chair	W. A. Slaymaker	168, 351	Oct. 5, 1875	28	11	8	569
Ordnance	G. J. Butler	163, 149	May 11, 1875	400	129	7	807
Ordnance, Breech-loading	D. Davison	162, 8, 7	May 4, 1875	67	21	7	756
Ordnance, Breech-loading	G. H. Felt	159, 170	Jan. 26, 1875	799	261	7	156
Ordnance, Breech-loading	G. P. Harding	168, 990	Oct. 19, 1875	644	213	8	672
Ordnance, Breech-loading	B. B. Hotchkiss	160, 434	Mar. 2, 1875	158	55	7	371
Ordnance, Breech loading	N. E. Johnson	160, 101	Feb. 23, 1875	836	275	7	319
Ordnance, Breech-loading	P. B. Lawson	164, 558	June 15, 1875	692	224	7	1043
Ordnance, Breech-loading	E. Schultz	168, 346	Oct. 5, 1875	24	9	8	568
Ordnance, Breech-loading	B. C. Watson	161, 308	Mar. 23, 1875	994	325	7	509
Ordnance, Construction of	R. R. Modlatt	159, 834	Feb. 16, 1875	574	191	7	276
Ordnance gas-check	L. W. Broadwell	167, 981	Sept. 21, 1875	550	177	8	501
Ordnance, Means of mounting and operating.	B. B. Hotchkiss	161, 037	Mar. 23, 1875	737	242	7	476
Ordnance shell	G. E. Walker	168, 813	Oct. 11, 1875	472	153	8	639
Ore and stone crusher	J. E. Blake	166, 64	July 27, 1875	923	285	8	171
Ore-concentrator	J. Longmaid	170, 751	Dec. 7, 1875	89	29	8	962
Ore-concentrator	C. Moore and C. H. Campfield	159, 110	Jan. 26, 1875	748	246	7	149
Ore-concentrator	J. V. Pomeroy	163, 104	May 11, 1875	360	117	7	802
Ore-concentrator	J. V. Pomeroy	170, 642	Nov. 30, 1875	1307	413	8	939
Ore-concentrator	J. Vincent, sr	161, 460	Mar. 30, 1875	1153	372	7	538
Ore-concentrator	G. W. White	165, 462	July 13, 1875	336	98	8	61
Ore-crusher	G. E. Noyes	162, 301	Apr. 20, 1875	657	214	7	675
Ore-crusher	D. Trumbull, jr.	161, 456	Mar. 30, 1875	1150	371	7	537
Ore-crusher and amalgamator	C. Braids	167, 638	Sept. 14, 1875	242	75	8	447
Ore crusher, Wet and dry	H. Bolthoff	166, 743	Aug. 17, 1875	551	169	8	294
Ore-crushing machine	S. R. Krom	158, 800	Jan. 19, 1875	434	145	7	100
Ore-feeder	C. P. Stanford	167, 625	Sept. 14, 1875	230	72	8	445
Ore-feeder	J. Tullock	160, 628	Mar. 9, 1875	343	116	7	407
Ore-jigger	A. Stroh	171, 189	Dec. 14, 1875	565	167	8	1025
Ore-roasting furnace	J. H. Clark	160, 619	Mar. 9, 1875	361	132	7	410
Ore-roasting furnace	H. G. Livermore	169, 713	Nov. 9, 1875	394	124	8	794
Ore-roasting furnace	W. McCall	170, 695	Nov. 16, 1875	765	242	8	850
Ore-separator	W. J. Evans	162, 899	May 4, 1875	69	22	7	756
Ore-separator	T. B. McConaughey	161, 697	Apr. 6, 1875	92	32	7	582
Ore-separator	D. Nevin	159, 347	Feb. 2, 1875	97	34	7	197
Ore-separator	P. Osterspey	170, 890	Dec. 7, 1875	266	72	8	978
Ore-separator	C. W. Reily	168, 416	Oct. 5, 1875	17	50	8	577
Ore-separator	B. Tyson	160, 041	Feb. 23, 1875	785	259	7	311
Ore-sizing machine	D. Nevin	167, 191	Aug. 21, 1875	1005	313	8	373
Ore-washer	A. Allain and A. R. Dejean	170, 978	Dec. 14, 1875	310	103	8	999
Ore-washer	L. D. Stephens	167, 133	Aug. 24, 1875	928	289	8	356
Ores, Method and apparatus for classifying	R. M. Wengler	170, 422	Nov. 23, 1875	1084	341	8	911
Ores, Process for treating	H. H. Eames and A. Patchen	170, 535	Nov. 30, 1875	1202	.....	8	926
Organ, &c.	B. Duher	168, 561	Oct. 11, 1875	244	80	8	666
Organ action, Reed	P. J. O'Neill	161, 894	Apr. 13, 1875	279	94	7	620
Organ attachment, Reed	J. R. Lomas	160, 448	Mar. 2, 1875	174	60	7	373

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Organ attachment, Reed	H. R. Moore	163, 622	May 25, 1875	918	292	7	898
Organ attachment, Reed	H. R. Moore	171, 527	Dec. 28, 1875	863	222	8	1089
Organ attachment, Reed	A. Schoenhut	166, 635	Aug. 10, 1875	431	133	8	262
Organ-bellows, Apparatus for operating	G. Beach	168, 212	Sept. 28, 1875	798	254	8	542
Organ-case	J. R. Lomas	160, 213	Feb. 23, 1875	931	305	7	332
Organ case, Reed	J. Bates	160, 997	Mar. 23, 1875	702	231	7	471
Organ-coupler	J. R. Perry	168, 778	Oct. 11, 1875	441	143	8	635
Organ-key blank	L. K. Fuller	162, 467	Apr. 27, 1875	841	271	7	766
Organ-key board	L. K. Fuller	160, 515	Mar. 9, 1875	247	85	7	32
Organ, &c., pedal attachment	R. Bardett	100, 257	Mar. 2, 1875	4	2	7	349
Organ pneumatic action	R. Nicholls	159, 705	Feb. 9, 1875	438	147	7	253
Organ pneumatic action	T. Winans	162, 450	Apr. 20, 1875	803	261	7	693
Organ, Reed	N. S. Bach and M. P. Berg	164, 900	June 29, 1875	10.7	331	7	1103
Organ, Reed	G. Blatchford	169, 945	Nov. 16, 1875	632	196	8	832
Organ, Reed	L. K. Fuller	160, 052	Feb. 23, 1875	794	262	7	313
Organ, Reed	H. N. Goodman	170, 078	Nov. 16, 1875	750	237	8	848
Organ, Reed	J. R. Lomas	161, 134	Mar. 23, 1875	832	272	7	488
Organ, Reed	J. E. Norton	164, 472	June 15, 1875	612	198	7	1032
Organ, Reed	H. K. White	166, 437	Aug. 3, 1875	240	74	8	233
Organ reed-board	J. R. Lomas	159, 530	Feb. 9, 1875	336	111	7	239
Organ reed-board	W. W. Walker	163, 124	May 11, 1875	373	121	7	804
Organ-stop action	F. M. Brush	160, 565	Mar. 9, 1875	292	99	7	399
Organ-stop action	J. F. McMahon and S. Tracy	166, 214	Aug. 3, 1875	27	9	8	203
Organ-stop action, Reed	L. B. Norton	166, 292	Aug. 3, 1875	99	31	8	213
Organ-stop knob	R. Bardett	164, 518	June 15, 1875	619	210	7	1037
Organ-tremolo	W. D. Parker	164, 871	June 24, 1875	982	317	7	1089
Organ tremolo, Reed	L. K. Fuller	160, 316	Mar. 2, 1875	56	20	7	356
Organ tremolo, Reed	J. R. Lomas	160, 605	Mar. 9, 1875	325	110	7	404
Organ-valve	G. V. Nordstrom and G. S. Hutchings	164, 583	June 15, 1875	706	230	7	1045
Organs, &c., Manufacture of key-boards for	M. Pratt	165, 024	June 29, 1875	1132	365	7	1117
Organs, &c., Octave-coupler for	S. J. Crockett	169, 689	Oct. 26, 1875	764	248	8	695
Organs, Tremolo for reed	R. W. Pain	164, 869	June 24, 1875	980	317	7	1089
Ornament, &c., holder	W. J. Garvey	159, 814	Feb. 16, 1875	558	185	7	274
Ornament, Personal	F. C. Kiergard	160, 828	Mar. 16, 1875	550	178	7	441
Ornaments, Composition for	J. G. W. Steffens	163, 053	Oct. 19, 1875	706	231	8	680
Ornamental transfer-sheets	O. J. E. Palm	160, 224	Feb. 23, 1875	941	309	7	334
Ornamenting and marking wheel	F. Tuschfarber	168, 115	Sept. 24, 1875	707	324	8	529
Oscillating engine	J. Hall	163, 186	May 11, 1875	435	141	7	811
Oscillating engine	G. W. Heald	158, 938	Jan. 19, 1875	565	187	7	117
Oscillating engine	G. G. Lobdell	160, 447	Mar. 2, 1875	171	59	7	373
Oscillating engine	J. Wolf	166, 672	Aug. 10, 1875	463	142	8	272
Ottoman, Piano and organ	J. Miller	168, 661	Oct. 11, 1875	341	111	8	621
Oval-cutting machine	J. E. and C. E. Howard	167, 534	Sept. 7, 1875	137	42	8	425
Oven, Baker's	J. Bieder	169, 404	Nov. 2, 1875	78	24	8	745
Oven, Baker's	A. Crumie and D. Donald	158, 916	Jan. 19, 1875	515	181	7	114
Oven, Baker's	J. Hall	160, 424	Mar. 2, 1875	149	52, 53	7	370
Oven, Coke	H. Aitken	169, 756	Nov. 9, 1875	437	139	8	800
Oven, Coke	E. S. Gobiet	171, 371	Dec. 21, 1875	698	250	8	1659
Oven, Coke	L. Schautl.	163, 333	May 18, 1875	592	190	7	848
Oven, Desulphurizing	J. C. Brewster	153, 384	Feb. 2, 1875	127	44	7	202
Oven, Furnace of baker's	A. Crumie and D. Donald	161, 489	Mar. 30, 1875	1189	381	7	542
Oven, Portable steam	J. H. Lockwood	159, 427	Feb. 2, 1875	167	57	7	207
Oven, Pottery-firing	T. W. Minton	163, 855	July 20, 1875	718	218	8	131
Overalls	S. Deutsch	163, 751	May 25, 1875	978	310	7	906
Overalls	G. R. Eager	167, 315	Aug. 31, 1875	1109	349	8	389
Overalls	G. R. Eager	167, 316	Aug. 31, 1875	1110	319	8	389
Overalls	G. R. Eager	167, 317	Aug. 31, 1875	1111	319	8	389
Overalls	G. R. Eager	167, 318	Aug. 31, 1875	1112	350	8	389
Overalls	G. R. Eager	167, 319	Aug. 31, 1875	1113	350	8	389
Overalls	G. R. Eager	167, 320	Aug. 31, 1875	1114	350	8	389
Overalls	G. R. Eager	167, 321	Aug. 31, 1875	1114	350	8	389
Overalls	S. R. Krouse	162, 830	May 4, 1875	85	28	7	758
Overalls	J. Moote	160, 537	Mar. 9, 1875	267	91	7	396
Overcoat	A. R. Underdown	167, 149	Aug. 24, 1875	936	291	8	357
Ox-bow pin	W. Varnum	162, 780	May 4, 1875	41	13	7	752
Oxshoe	J. E. Davis	158, 473	Jan. 5, 1875	108	36	7	24
Oxshoe	R. French	159, 026	Jan. 26, 1875	675	220	7	138
Oxshoe-making machine	J. Hall	161, 782	Apr. 6, 1875	161	56	7	593
Oyster-knife	C. W. Berger	162, 606	Apr. 27, 1875	959	308	7	721
Oyster knife and nippers, Combined	R. F. Megeo	159, 598	Feb. 9, 1875	342	113	7	240
Ozone-machine	G. Milson	163, 391	May 18, 1875	643	206	7	854
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Package-holder	G. Lewinson	163, 935	June 1, 1875	81	27	7	942
Package-strap handle	S. L. Harrell	164, 944	June 29, 1875	1108	357	7	1113
Packages, Sling for elevating	G. D. Stevens	158, 996	Jan. 19, 1875	623	206	7	124
Packer, Oil-well	W. L. Hardison	171, 616	Dec. 28, 1875	958	310	8	1102
Packer, Oil-well	L. Stewart	171, 589	Dec. 28, 1875	919	301	8	1097
Packing and showing box	F. S. Kinney	162, 827	May 4, 1875	83	28	7	753
Packing-box	H. N. Hart	166, 774	Aug. 17, 1875	576	177	8	297
Packing box and crate	H. M. Simons	169, 303	Oct. 26, 1875	955	309	8	722
Packing box, Fruit and egg	J. A. Miller	170, 665	Dec. 7, 1875	29	9	8	954
Packing, Drive-well	V. F. Thomacich	169, 598	Nov. 2, 1875	259	83	8	769
Packing for piston-rods of steam-engines, &c., Metallic	J. A. Fulton	164, 158	June 8, 1875	302	103	7	961
Packing for pistons of hydraulic engines	S. Hughes and M. Kelly	159, 326	Feb. 2, 1875	83	27	7	195
Packing for pistons, Steam	C. L. Esman	163, 584	May 25, 1875	896	264	8	370
Packing for stuffing-boxes	R. Greenalch	167, 298	Aug. 31, 1875	1046	335	8	352
Packing for stuffing-boxes	A. P. Lauterman	167, 104	Aug. 24, 1875	903	293	8	450
Packing, Hydraulic	J. F. Taylor	160, 731	Mar. 9, 1875	437	145	7	332
Packing material	H. J. Halbert and F. Kimp	161, 224	Mar. 23, 1875	912	297	7	499

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Packing, Piston .....	J. Bole .....	158, 895	Jan. 19, 1875	523	175	7	112
Packing, Piston .....	J. W. Hill .....	159, 675	Feb. 9, 1875	411	136	7	249
Packing, Piston .....	C. R. James .....	169, 174	Oct. 26, 1875	837	272	8	706
Packing, Piston .....	G. H. Reynolds .....	169, 586	Nov. 2, 1875	246	81	8	767
Packing, Piston .....	J. Richards .....	167, 023	Aug. 24, 1875	825	257	8	341
Packing, Piston .....	J. H. Rollins .....	162, 693	Apr. 27, 1875	1044	333	7	732
Packing, Piston .....	J. L. Sliceman .....	161, 710	Apr. 6, 1875	100	36	7	583
Packing pistou-connection, Self .....	G. W. Burr .....	167, 064	Aug. 24, 1875	864	269	8	347
Pad:							
See Bosom-pad.                      Harness-pad.							
Coach-pad.                              Horse-interfering pad.							
Collar-pad.                              Truss-pad.							
Copying-press pad.							
Pad and collar fastener, Combined .....	A. Racino .....	162, 781	Oct. 11, 1875	444	145	8	635
Paddle-wheel .....	J. Salter .....	165, 029	June 29, 1875	1136	367	7	117
Paddle-wheel, Feathering .....	P. Gregersen .....	169, 690	Nov. 9, 1875	374	117	8	591
Paddle-wheel, Feathering .....	C. A. Langphere .....	162, 756	May 4, 1875	18	7	7	749
Paddle-wheel, Feathering .....	J. S. Morgan .....	158, 509	Jan. 5, 1875	140	47	7	28
Paddle-wheel, Feathering .....	B. Vater .....	159, 127	Jan. 26, 1875	761	251	7	151
Padlock .....	W. H. Andrews .....	166, 838	Aug. 17, 1875	631	196	8	306
Padlock .....	G. R. Cutbirth .....	171, 471	Dec. 28, 1875	805	265	8	1051
Padlock .....	H. S. Lockwood .....	165, 741	July 20, 1875	598	184	8	116
Padlock .....	W. Raether .....	168, 069	Oct. 11, 1875	346	113	8	622
Padlock, &c .....	J. Schade .....	159, 772	Feb. 16, 1875	519	173	7	210
Padlock .....	B. Wallmann .....	169, 211	Oct. 26, 1875	863	281	8	719
Padlock, Combination .....	M. B. Brooks .....	163, 147	May 11, 1875	397	128	7	806
Padlock, Combination .....	D. A. Root .....	162, 952	May 4, 1875	201	65	7	773
Page-indicator for books .....	E. Harris .....	168, 395	Oct. 5, 1875	68	24	8	574
Paging and numbering machine .....	W. Von Doehn .....	166, 552	Aug. 24, 1875	754	234	8	332
Pail .....	O. S. Camp .....	159, 792	Feb. 16, 1875	538	179	7	271
Pail and lamp, Dinner .....	G. W. Aldrich .....	161, 921	Apr. 13, 1875	306	102	7	623
Pail, Housemaid's .....	E. C. Wooster .....	160, 500	M. r. 2, 1875	223	76	7	381
Pail, Lunch .....	H. W. Schussler .....	170, 903	Dec. 7, 1875	218	75	8	980
Pail, Milk .....	J. Anole .....	170, 564	Nov. 30, 1875	1175	371	8	922
Pail, Milking .....	A. M. Bailey .....	170, 463	Nov. 30, 1875	1138	358	8	917
Pail, Sectional dinner .....	C. H. Amaon .....	158, 616	Jan. 12, 1875	251	84, 85	7	59
Pails, &c., Metallic lip for wooden .....	S. D. Kirtley .....	159, 935	Feb. 16, 1875	668	222	7	289
Paint-bremer .....	J. P. Hayes .....	169, 439	Nov. 2, 1875	108	34	8	750
Paint-can .....	M. Bray .....	170, 703	Dec. 7, 1875	46	13	8	957
Paint-can .....	J. F. Drummond .....	168, 061	Sept. 21, 1875	568	183	8	504
Paint, Can for mixing .....	W. W. Thayer .....	160, 852	Mar. 16, 1875	566	184	7	444
Paint composition .....	C. C. Bemis .....	169, 887	Nov. 16, 1875	582		8	825
Paint compound .....	A. T. Lyon .....	164, 314	June 8, 1875	450		7	1002
Paint compound .....	A. T. Lyon .....	164, 851	June 22, 1875	959		7	1057
Paint compound .....	I. L. Merrell .....	164, 469	June 15, 1875	609		7	1032
Paint-drier .....	O. Russell .....	165, 761	July 20, 1875	615		8	118
Paint-exhibitor, Revolving .....	T. C. Van Arsdale .....	164, 114	June 8, 1875	266	91	7	978
Paint, Fire-proof .....	J. Dewitt .....	170, 533	Nov. 30, 1875	1200		8	926
Paint, Gas-burner for removing .....	S. G. Reed .....	164, 213	June 8, 1875	350	130	7	989
Paint, Gloss compound for .....	J. B. Tascott .....	1-0, 038	Feb. 23, 1875	782		7	311
Paint, Mineral .....	J. L. Sneed and J. E. Kirtley .....	163, 273	May 11, 1875	515		7	821
Paint-package .....	J. T. Hunt .....	159, 680	Feb. 9, 1875	416	138	7	820
Painter's jack, Carriage .....	G. A. Brice .....	169, 082	Oct. 26, 1875	752	245	8	694
Painter's use, Bremer for .....	I. Hayes .....	164, 996	June 29, 1875	1110	358	7	1113
Painting and banner .....	G. Frope .....	161, 499	Mar. 30, 1875	1199	384	7	543
Painting cloth, Machine for .....	H. H. Phillips .....	167, 783	Sept. 14, 1875	373	119	8	466
Painting-machine .....	W. W. Marsh .....	163, 598	May 25, 1875	850	288	7	889
Painting with soluble silicates, Base for colors in .....	W. C. A. Thielepape and H. Kroschell .....	163, 898	June 1, 1875	51		7	937
Palate, Artificial .....	J. Peyer .....	164, 591	June 15, 1875	711	231	7	1046
Pan:							
See Ash-pan.                              Evaporating-pan.							
Bake-pan.                                  Frying-pan.							
Baking-pan.                                Grinding and amalga-							
Cake-pan.                                  mating pan.							
Cooking-pan.                                Locomotive ash-pan.							
Drip-pan.                                    Turpentine-pan.							
Dust-pan.                                    Water-closet pan.							
Pan .....	J. C. Milligan .....	168, 662	Oct. 11, 1875	342	111	8	621
Pan-forming machine .....	G. A. Bowers .....	160, 747	Mar. 16, 1875	470	154	7	432
Pan-forming machine .....	W. Chalmers .....	164, 520	June 15, 1875	650	210 211	7	1037
Panel-raising machine .....	F. D. Green .....	169, 803	Nov. 9, 1875	488	153 154	8	806
Pannier or bustle .....	R. Biering .....	170, 807	Dec. 7, 1875	138	46	8	969
Pantaloons, Apparatus for shaping .....	J. Kraft .....	163, 666	May 25, 1875	906	288	7	896
Pantaloons, Apparatus for shaping .....	E. B. Viets .....	162, 977	May 4, 1875	127	73	7	777
Pantaloons, Apparatus for shaping .....	E. B. Viets and C. B. Shaw .....	163, 617	May 25, 1875	868	274	7	891
Pantaloons-block .....	J. McCurdy .....	162, 843	May 4, 1875	97	32	7	760
Pantaloons-bottoms, Stay for .....	S. D. Mills .....	159, 343	Feb. 2, 1875	95	34	7	197
Pantaloons-former .....	C. Franke .....	167, 393	Sept. 7, 1875	13	4	8	408
Pantaloons-shaper .....	R. M. Eastman .....	161, 495	Mar. 30, 1875	1195	333	7	543
Pantaloons-stretcher .....	J. D. Ryan .....	160, 619	Mar. 9, 1875	337	113	7	496
Paper and cloth, Machinery for uniting .....	C. H. Devison .....	163, 582	May 25, 1875	813	263	7	887
Paper bag .....	C. Amazeen .....	160, 991	Mar. 23, 1875	696	224	7	471
Paper bag .....	C. Amazeen .....	169, 399	Nov. 2, 1875	75	22	8	745
Paper bag .....	A. S. Dennison .....	168, 461	Oct. 5, 1875	125	43	8	583
Paper bag .....	T. W. Grinter .....	159, 029	Jan. 26, 1875	677	221	7	138
Paper bag .....	E. Langegger .....	164, 462	June 15, 1875	604	195	7	1031
Paper bag .....	E. Mill .....	164, 389	June 15, 1875	534	175	7	1022
Paper bag .....	W. Oesterlein .....	166, 028	July 27, 1875	891	275	8	167
Paper bag for brooms .....	E. D. Messinger .....	169, 464	Nov. 2, 1875	130	41	8	753
Paper-bag holder .....	G. H. Cleveland .....	167, 431	Sept. 7, 1875	51	15	8	413

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Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & G.	Vol.	Page.
Paper-bag machine	A. B. Glover and D. M. Church	164, 162	June 8, 1875	305	{ 104 105 221 223	7	983
Paper-bag machine	T. W. Grinter	159, 030	Jan. 26, 1875	678	{ 218 219 209 210	7	139
Paper-bag machine	T. W. Grinter	164, 548	June 15, 1875	674	{ 244 245 246 247	7	1040
Paper-bag machine	J. Hatfield	165, 823	July 20, 1875	685	{ 66 67 68	8	127
Paper-bag machine	J. Hatfield	166, 988	Aug. 24, 1875	792	{ 189 108 109	8	337
Paper-bag machine	C. H. Kellogg	158, 945	Jan. 19, 1875	570	{ 58, 59 165 166	7	117
Paper-bag machine	C. H. Kellogg	159, 582	Feb. 9, 1875	329	{ 66 67 68	7	238
Paper-bag machine	W. Liddell	160, 446	Mar. 2, 1875	169	{ 71, 72	7	372
Paper-bag machine	H. S. Merrill	160, 782	Mar. 16, 1875	510	{ 39 40	7	436
Paper-bag machine	C. B. Stilwell	165, 381	July 6, 1875	222	{ 39 40	8	39
Paper-bag machine	C. Van Hoosen	165, 390	July 6, 1875	234	{ 197 198	8	40
Paper-bag machine	W. Webster	161, 720	Apr. 6, 1875	109	{ 846 847	7	585
Paper barrel	N. Keely	162, 237	Apr. 20, 1875	601	{ 481 482	7	668
Paper barrel	J. L. Thomson	161, 075	Mar. 23, 1875	770	{ 531 532	7	481
Paper-barrel-making machine	M. D. Kenney	163, 319	May 18, 1875	577	{ 1077 1078	7	846
Paper-barrels, Centrifugal machine for making	W. G. Pennypacker	164, 761	June 22, 1875	875	{ 531 532	7	1077
Paper bosom	E. P. Furlong	161, 403	Mar. 30, 1875	1104	{ 832 833	7	531
Paper box	C. M. Arthur and J. Bentley	163, 435	May 18, 1875	679	{ 837 838	7	859
Paper box	J. P. Buckingham	169, 653	Nov. 16, 1875	637	{ 1001 1002	8	832
Paper box	S. B. Conover	170, 991	Dec. 14, 1875	323	{ 952 953	8	1001
Paper box	E. W. Dennison	170, 664	Dec. 7, 1875	9	{ 837 838	8	952
Paper box	D. L. Hawkins	169, 992	Nov. 16, 1875	608	{ 188 189	8	837
Paper box	J. F. Jones	159, 269	Feb. 2, 1875	26	{ 250 251	7	188
Paper box	J. F. Jones	159, 270	Feb. 2, 1875	26	{ 251 252	7	188
Paper box	L. A. Kettle	159, 684	Feb. 9, 1875	419	{ 976 977	7	250
Paper box	L. A. Kettle	164, 005	June 1, 1875	138	{ 939 940	7	950
Paper box	L. A. Kettle	164, 742	June 22, 1875	860	{ 711 712	7	1074
Paper box	J. L. Moore	164, 999	June 8, 1875	253	{ 755 756	7	976
Paper box	D. K. Osbourn	170, 639	Nov. 30, 1875	1305	{ 336 337	8	939
Paper box	F. Salomon	169, 484	Nov. 2, 1875	147	{ 1047 1048	8	755
Paper box	E. D. Shelton	160, 239	Feb. 23, 1875	954	{ 711 712	7	336
Paper box	E. D. Shelton	164, 601	June 15, 1875	719	{ 458 459	7	1047
Paper box	J. W. Turner	162, 508	Apr. 27, 1875	879	{ 711 712	7	711
Paper box	J. R. Van Vechten	165, 137	June 29, 1875	1233	{ 711 712	7	1130
Paper box	W. Wallach	162, 509	Apr. 27, 1875	880	{ 458 459	7	711
Paper box	C. A. Young	167, 723	Sept. 14, 1875	313	{ 1082 1083	8	458
Paper-box machine	R. Grimm	171, 476	Dec. 28, 1875	810	{ 470 471	8	1082
Paper-box machine	G. L. Turney	167, 807	Sept. 14, 1875	397	{ 842 843	8	470
Paper-box machine	J. E. Williams	170, 039	Nov. 16, 1875	706	{ 680 681	8	842
Paper-box machines, Feeding mechanism for	E. B. Beecher	162, 341	Apr. 29, 1875	694	{ 853 854	7	680
Paper boxes, Blank for corrugated	A. L. Jones	163, 379	May 18, 1875	631	{ 849 850	7	853
Paper boxes, Manufacture of	J. E. Jeffrey	170, 088	Nov. 16, 1875	760	{ 1051 1052	8	849
Paper brand	J. W. Partridge	171, 312	Dec. 21, 1875	647	{ 671 672	8	1051
Paper-calendering rolls, Operating	N. H. Whitten	162, 260	Apr. 20, 1875	621	{ 767 768	7	671
Paper can	E. T. Covell	162, 902	May 4, 1875	151	{ 394 395	7	767
Paper, Carbon	A. B. Simonds	167, 361	Aug. 31, 1875	1151	{ 60 61	8	394
Paper cigar box	G. A. Baidler	162, 342	Apr. 20, 1875	695	{ 60 61	7	60
Paper-clip	W. H. Pack and J. S. Vanhorn	164, 657	June 2, 1875	782	{ 1064 1065	7	1064
Paper-clip	W. V. Perry	160, 949	Mar. 16, 1875	652	{ 455 456	7	455
Paper-clip	C. E. Ramus	165, 614	July 13, 1875	471	{ 82 83	8	82
Paper collar	E. F. Bradford	170, 336	Nov. 23, 1875	1006	{ 890 891	8	890
Paper collar and cuff machine	E. Wilder	167, 464	Sept. 7, 1875	88	{ 419 420	8	419
Paper-collar blanks, Knife for cutting	A. Dewes	171, 270	Dec. 21, 1875	614	{ 1047 1048	8	1047
Paper-collar-cutting machine	C. A. Brown	169, 408	Nov. 2, 1875	81	{ 746 747	8	746
Paper-collar cutting-machine	H. J. Medbery	171, 524	Dec. 28, 1875	860	{ 1088 1089	8	1088
Paper-collar machine	C. H. Denison	165, 803	July 20, 1875	660	{ 370 371	8	124
Paper collars and cuffs, Machine for cutting	C. H. Denison	167, 156	Aug. 31, 1875	976	{ 592 593	8	370
Paper, Composition for filling the fibers of	G. H. Goodwin and G. W. Seavernus	161, 778	Apr. 6, 1875	160	{ 1096 1097	7	592
Paper cop-tube	J. McCausland	171, 577	Dec. 28, 1875	908	{ 388 389	8	1096
Paper cutter and perforator	W. Daniels	167, 308	Aug. 31, 1875	1103	{ 721 722	8	388
Paper-cutter, Rotary	C. G. Biedinger	162, 607	Apr. 27, 1875	959	{ 1105 1106	7	721
Paper-cutter, Rotary	A. Judson	164, 920	June 29, 1875	1045	{ 332 333	7	1105
Paper-cutter, Rotary	F. R. Woodward	166, 954	Aug. 24, 1875	758	{ 670 671	8	332
Paper cutting and delivering machine, Printed	W. Scott	164, 695	June 22, 1875	816	{ 1069 1070	7	1069
Paper-cutting machine	W. I. Reid	164, 660	June 22, 1875	784	{ 1064 1065	7	1064
Paper-cutting machine	S. W. Soule	158, 812	Jan. 19, 1875	445	{ 448 449	7	102
Paper-cutting machine, Roll	L. P. Cohen and I. Frank	167, 645	Sept. 14, 1875	212	{ 62 63	8	448
Paper-cylinders, Apparatus for drying	J. F. Jones	158, 640	Jan. 12, 1875	271	{ 670 671	7	62
Paper-dampening machine	W. Bullock	171, 093	Dec. 14, 1875	412	{ 821 822	8	1013
Paper-dampening machine	J. L. Firm	168, 978	Oct. 19, 1875	634	{ 821 822	8	670
Paper-dampening machine	C. Kahler	165, 238	July 6, 1875	89	{ 934 935	8	821
Paper, &c., Device for protecting the ends of rolls of	J. L. Firm	160, 175	Feb. 23, 1875	897	{ 441 442	7	324
Paper doll	W. H. Hart, jr	163, 866	June 1, 1875	27	{ 958 959	7	934
Paper-drier	J. Hatch and G. Smith	160, 824	Mar. 16, 1875	516	{ 826 827	7	441
Paper-drying machine	C. S. Clark	170, 712	Dec. 7, 1875	54	{ 826 827	8	958
Paper-fastener	J. M. Blanchard	168, 709	Oct. 11, 1875	330	{ 662 663	8	826
Paper-fastener	G. W. McGill	162, 182	Apr. 20, 1875	530	{ 85 86	7	662
Paper-fastener	W. H. Pack and J. S. Vanhorn	170, 294	Nov. 23, 1875	968	{ 592 593	8	85
Paper-fastener and card-suspender	G. K. Snow	168, 531	Oct. 5, 1875	209	{ 662 663	6	592
Paper-fastener, Metallic	G. W. McGill	162, 183	Apr. 20, 1875	530	{ 839 840	7	662
Paper-fastener, Metallic endless	J. W. McGill	170, 009	Nov. 16, 1875	683	{ 211	8	839

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				Spec.	Dr'g.	Vol.	Page.
Paper-feeder, Pneumatic	S. Schofield	160, 721	Mar. 9, 1875	428	{ 142 143 }	7	419
Paper-feeding apparatus	C. A. Maxfield	162, 840	May 4, 1875	94	31	7	759
Paper-feeding machine	D. Colbeck	162, 352	Apr. 20, 1875	705	229	7	681
Paper-feeding machine	S. Scholfield and C. E. Baker	164, 488	June 15, 1875	625	202	7	1034
Paper, Figured writing	G. La Monte and J. H. Hall	159, 516	Feb. 9, 1875	2-1	.....	8	230
Paper-folding machine	W. Daniels	164, 977	June 29, 1875	1094	353	7	1111
Paper-folding machine	W. and C. Daniels	164, 978	June 29, 1875	1095	353	7	1111
Paper-folding machine, Rotary	S. D. Tucker	171, 196	Dec. 14, 1875	514	{ 169 170 171 172 }	8	1026
Paper-hanger's table	J. Orgill	167, 924	Sept. 21, 1875	507	162	8	494
Paper-hanging machine	R. H. Muer	168, 339	Oct. 5, 1875	19	8	8	567
Paper hat-binding	D. Sheple	161, 067	Mar. 23, 1875	761	251	7	480
Paper-machine	C. L. Crum	164, 814	June 22, 1875	928	3-0	7	1083
Paper, Machine for folding, covering, and pasting	C. Chambers, jr	164, 904	June 29, 1875	1031	{ 332 333 }	7	1103
Paper, Machine for water-marking	M. Mathews	166, 122	July 27, 1875	983	303	8	180
Paper, Machine for wetting printing	G. Rosquist	162, 499	Apr. 27, 1875	872	279	7	710
Paper-machine-staff regulator	J. W. Huested	168, 746	Oct. 11, 1875	414	135	8	631
Paper-making machine	J. Butler	158, 400	Jan. 5, 1875	43	15	7	15
Paper-making machines, Cylinder for	R. McMurray	164, 468	June 15, 1875	609	197	7	1031
Paper-making machines, Cylinder for	S. Sellers	167, 574	Sept. 7, 1875	171	54	8	430
Paper, Ornamenting dry	G. La Monte and J. H. Hall	171, 026	Dec. 14, 1875	349	116	8	1004
Paper-perforating machine	W. Braidwood	170, 337	Nov. 23, 1875	1006	316	8	891
Paper-perforating machine	L. Francis	164, 289	June 8, 1875	426	142	7	999
Paper-perforating machine	R. Hemingray	160, 016	Feb. 23, 1875	764	253	7	309
Paper-perforating machine	J. S. Ives	169, 548	Nov. 2, 1875	202	69	8	763
Paper-perforating machine	P. McAleer	170, 873	Dec. 7, 1875	192	66	8	976
Paper picture-frame	O. K. Bradford	166, 962	Aug. 24, 1875	765	237	8	333
Paper, Process of ornamenting writing	G. La Monte and J. H. Hall	159, 515	Feb. 9, 1875	280	30	7	230
Paper-pulp, Apparatus for the manufacture of	J. W. Dixon	168, 382	Oct. 5, 1875	55	20	8	572
Paper-pulp, Bleaching jute for	E. Conley	165, 307	July 6, 1875	148	.....	8	29
Paper-pulp, Bleaching jute for	G. W. Dubuisson	162, 043	Apr. 13, 1875	403	.....	7	636
Paper-pulp, Componding	G. Clarkson	171, 099	Dec. 14, 1875	419	.....	8	1014
Paper-pulp engine	M. R. Bonjin	160, 746	Mar. 16, 1875	669	154	7	431
Paper-pulp engine	F. A. Cushman	163, 638	May 25, 1875	885	279	7	893
Paper-pulp engine	A. Gardner	166, 519	Aug. 10, 1875	330	100	8	253
Paper-pulp engines, Grinding-cylinder for	C. J. Bradbury	163, 728	May 25, 1875	959	304	7	903
Paper-pulp, Machine for grinding wood for	B. F. Barker	160, 996	Mar. 23, 1875	700	231	7	471
Paper-pulp, Manufacture of	J. F. Jones	158, 641	Jan. 12, 1875	272	.....	7	62
Paper-pulp, Mechanism for molding	J. C. and L. Coburn	158, 782	Jan. 19, 1875	415	140	7	98
Paper-pulp-molding machine	B. F. Barker	166, 447	Aug. 10, 1875	271	81	8	245
Paper-pulp screen	J. S. Warren	165, 192	July 6, 1875	51	15	8	16
Paper-pulp, Wood-grinder for	J. O. Gregg	163, 926	June 1, 1875	75	25	7	941
Paper-pulp, Wood-grinder for	A. M. Zimner	163, 958	June 1, 1875	99	34	7	944
Paper, Safety	G. W. Cassleair	167, 223	Aug. 31, 1875	1033	321	8	377
Paper-sizing compound	J. Hogben	164, 684	June 22, 1875	805	.....	7	1067
Paper-stock grinder	O. Abell	166, 835	Aug. 17, 1875	628	195	8	306
Paper-stock-grinding machine	J. M. Burghart	165, 706	July 5, 1875	599	174	8	111
Paper towel, Ladies'	J. H. Hatch	162, 647	Apr. 27, 1875	904	319	7	725
Paper-trimming machine	D. T. Bronghton	168, 963	Oct. 19, 1875	619	205	8	668
Paper-tube machine	A. G. Batchelder	158, 354	Jan. 5, 1875	4	2	7	9
Paper-tube machine	H. M. Boies	168, 366	Oct. 5, 1875	41	15, 16	8	571
Paper-tube machine	W. H. Brock	169, 620	Nov. 9, 1875	295	95	8	782
Paper-tube machine	C. P. and W. F. Edwards	162, 634	Apr. 27, 1875	980	315	7	724
Paper-tube machine	J. F. Jones	162, 236	Apr. 20, 1875	600	{ 190 197 }	7	668
Paper-tube machine	N. Keely	169, 107	Oct. 26, 1875	779	253	8	697
Paper-tube machine	L. Smith	168, 193	Sept. 28, 1875	782	248	8	540
Paper tubing, Compound flexible	H. M. Boies	168, 367	Oct. 5, 1875	45	16	8	571
Paper tubing, Manufacturing	H. M. Boies	168, 365	Oct. 9, 1875	44	.....	8	570
Paper vessel	D. N. Russell	162, 954	May 4, 1875	204	66	7	774
Paper vessel	J. Stovens	165, 270	July 6, 1875	116	35	8	25
Paper vessels, Apparatus for making	W. H. Brock	169, 619	Nov. 9, 1875	294	95	8	782
Paper-weight	J. F. Adams	166, 836	Aug. 17, 1875	629	195	8	306
Paper-weight	E. Dressler	170, 243	Nov. 23, 1875	925	288	8	878
Paper-weight	F. E. Whitney	165, 465	July 13, 1875	339	99	8	62
Paraffine, &c., purifying apparatus	F. X. Byerley	164, 672	June 22, 1875	794	{ 260 261 }	7	1066
Parasol and whip combined	J. Perrins	160, 791	Mar. 16, 1875	520	167	7	437
Parliament, Vegetable	A. G. Fell	170, 360	Nov. 23, 1875	1024	.....	8	893
Parer, Apple	E. L. Schanck	163, 813	May 25, 1875	1030	326	7	913
Paring machine, Apple	W. M. Triscom	168, 985	Oct. 19, 1875	640	211	8	671
Paring machine, Apple	A. Rippien	169, 040	Oct. 19, 1875	692	228	8	678
Parlor-fountain	H. Wenzel	159, 872	Feb. 16, 1875	611	202	7	281
Parlor-table	F. H. Cutler	164, 976	June 29, 1875	1093	352	7	1111
Passenger-register	J. B. Benton	167, 057	Aug. 24, 1875	855	267	8	366
Passenger-register	W. S. Thorn	163, 546	May 18, 1875	788	249	7	873
Passenger-register	J. Thoss and A. Trautmann	163, 544	May 18, 1875	786	249	7	873
Passenger-register	H. E. Towle and J. B. Benton	162, 717	Apr. 27, 1875	1071	341	7	734
Pasteboard, Machine for making	B. F. Field	167, 233	Aug. 31, 1875	1041	323	8	378
Pasteboard, Manufacture of	G. W. Russell	168, 186	Sept. 28, 1875	776	{ 246 247 }	8	539
Pastry-table and refrigerator, Combined	H. Magce	162, 566	Apr. 27, 1875	926	297	7	717
Pattern:							
<i>See</i> Casting-pattern.	Loom-pattern.						
Coat-pattern.	Tailor's pattern.						
Fouander's pattern.							
Pattern-chart for drafting garments	M. A. and L. A. Melcher	169, 564	Nov. 2, 1875	224	73, 74	8	765
Pattern for garments, Implement for notching	A. Warth	169, 066	Oct. 19, 1875	717	236	8	881
Pattern-mullier.	O. W. Richardson	166, 343	Oct. 5, 1875	92	9	8	568
Patterns, Apparatus for drafting tailors'	J. Bellamy	169, 402	Nov. 2, 1875	76	23	8	745

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Patterns, Apparatus for stamping.....	J. Rosenthal.....	161, 158	Mar. 23, 1875	551	{ 136		} 7
Pavement.....	N. B. Abbott and J. P. Cranford.....	167, 424	Sept. 7, 1875	43	12	} 8	
Pavement.....	H. R. Bellamy.....	165, 539	July 13, 1875	365	119		} 8
Pavement.....	A. B. Dean.....	161, 618	Mar. 23, 1875	714	.....	} 7	
Pavement.....	L. Duterte.....	163, 168	May 11, 1875	420	136		} 7
Pavement.....	L. S. Filbert and L. M. Hoffman.....	160, 174	Feb. 23, 1875	897	295	} 7	
Pavement.....	W. W. Hubbell.....	158, 415	Jan. 5, 1875	56	.....		} 7
Pavement.....	W. H. Jones.....	169, 005	Oct. 19, 1875	658	217	} 7	
Pavement.....	S. Strong.....	164, 231	June 8, 1875	370	136		} 7
Pavement, Brick.....	H. M. Stow.....	168, 895	Oct. 11, 1875	464	151	} 8	
Pavement, Brick.....	S. Strong.....	166, 822	Aug. 17, 1875	616	191		} 8
Pavement, Cement.....	J. Mock.....	163, 506	May 18, 1875	749	238	} 7	
Pavement, Composition.....	D. G. Conger.....	161, 100	Mar. 23, 1875	799	262		} 7
Pavement, Composition.....	J. P. Richardson.....	161, 550	Mar. 30, 1875	1242	.....	} 7	
Pavement, Concrete.....	J. H. Thormann and F. Brumshagen.....	166, 486	Aug. 10, 1875	304	91		} 8
Pavement in blocks, Apparatus for laying cement.....	J. B. Hurlbut.....	162, 172	Apr. 20, 1875	540	{ 177	} 7	
Pavement, Stone.....	J. McBean.....	170, 874	Dec. 7, 1875	192	66		} 8
Pavement, Wood.....	J. Carr and M. D. Phillips.....	162, 218	Apr. 20, 1875	580	190	} 7	
Pavement, Wood.....	W. Disney.....	159, 162	Jan. 26, 1875	790	259		} 7
Pavement, Wood.....	L. S. Filbert and L. M. Hoffman.....	163, 758	May 25, 1875	983	312	} 7	
Pavement, Wood.....	S. Houston.....	171, 619	Dec. 28, 1875	962	311		} 8
Pavement, Wood.....	C. H. Miller.....	159, 699	Feb. 9, 1875	431	144	} 7	
Pavement, Wood.....	J. J. Schroyer.....	165, 822	July 20, 1875	741	236		} 8
Pavement, Wood.....	H. M. Stow.....	165, 695	July 20, 1875	560	171	} 8	
Paving and building blocks, Press for forming concrete.....	T. Cook.....	161, 867	Apr. 13, 1875	254	85		} 7
Paving and roofing composition.....	J. R. McClintock.....	163, 222	May 11, 1875	467	.....	} 7	
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Paving-block.....	W. F. Prentiss.....	171, 318	Dec. 21, 1875	652	213	} 8	
Paving-block.....	F. Von Versen and J. Biekel.....	165, 826	July 20, 1875	753	230		} 8
Pawl and ratchet.....	R. Tomlinson and J. Smith.....	159, 124	Jan. 26, 1875	760	250	} 7	
Pawl and ratchet mechanism.....	J. L. Bond.....	159, 016	Jan. 26, 1875	666	217		} 7
Pawl and ratchet mechanism.....	G. D. Hamblin.....	169, 891	Nov. 9, 1875	49	154	} 8	
Peat-cutter.....	B. J. Denton.....	161, 215	Mar. 23, 1875	896	294		} 7
Peat-cutter.....	G. S. Newton and F. Zollner.....	170, 181	Nov. 23, 1875	871	212	} 8	
Peat-kiln.....	W. E. Wright.....	161, 466	Mar. 30, 1875	1159	374		} 7
Peat-machine.....	A. E. Barthel.....	171, 210	Dec. 31, 1875	556	{ 181	} 8	
Peat-machine.....	F. Dodge.....	159, 398	Feb. 2, 1875	140	48		} 7
Peat-machine.....	C. H. Williams.....	167, 596	Sept. 7, 1875	193	60, 61	} 8	
Peat-molding machine.....	J. F. Boquet and V. A. Benard.....	169, 300	Mar. 2, 1875	37	14		} 7
Peg-cutter.....	M. Buhler.....	164, 139	June 8, 1875	286	97	} 7	
Peg-cutter.....	W. J. Squires.....	160, 724	Mar. 9, 1875	432	143		} 7
Peg cutter, Boot and shoe.....	G. L. Ellis.....	165, 411	July 13, 1875	29	83	} 8	
Peg-cutter handle.....	W. R. Batoon.....	162, 014	Apr. 13, 1875	378	127		} 7
Peg-cutting machine.....	J. F. Smith.....	165, 886	July 20, 1875	745	228	} 8	
Peg-foot.....	D. Lynchbar.....	160, 108	Feb. 23, 1875	841	277		} 7
Peg or nail, Shoe.....	T. T. Prosser.....	169, 849	Nov. 9, 1875	523	163	} 8	
Peg or ribbon peg-wood.....	B. F. Sturtevant.....	159, 778	Feb. 16, 1875	524	175		} 7
Peg or sole fastening.....	B. F. Sturtevant.....	159, 977	Feb. 16, 1875	706	235	} 7	
Peg-points, Machine for forming.....	B. F. Sturtevant and F. M. Shaw.....	159, 267	Feb. 2, 1875	49	15		} 7
Peg-points, Mechanism for compressing.....	F. M. Shaw.....	159, 281	Feb. 2, 1875	37	13, 14	} 7	
Peg-points, Mechanism for compressing.....	B. F. Sturtevant.....	158, 998	Jan. 19, 1875	624	207		} 7
Peg-wood, Machine for pointing ribbon.....	B. F. Sturtevant.....	166, 429	Aug. 3, 1875	231	70, 71	} 8	
Peg-wood, Ribbon.....	B. F. Sturtevant.....	159, 800	Feb. 16, 1875	599	199		} 7
Pegs, Manufacture of shoe.....	F. D. Ballou.....	167, 421	Sept. 7, 1875	44	12	} 8	
Pegging-jack.....	J. J. Stewart.....	160, 727	Mar. 9, 1875	434	144		} 7
Pegging-jack attachment.....	F. Guild.....	168, 896	Oct. 19, 1875	555	182	} 8	
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Pegging-machine.....	L. Goddu.....	171, 609	Dec. 28, 1875	940	308	} 8	
Pegging-machine.....	L. Goddu.....	171, 610	Dec. 28, 1875	946	{ 368		} 8
Pegging-machine.....	H. Kuhlmann.....	159, 423	Feb. 2, 1875	163	55, 56	} 7	
Pegging-machine.....	T. T. Prosser.....	165, 630	July 13, 1875	597	155		} 8
Pegging-machine.....	B. F. Sturtevant.....	159, 775	Feb. 16, 1875	521	{ 173	} 7	
Pegging-machine.....	B. F. Sturtevant.....	159, 776	Feb. 16, 1875	522	{ 174		} 7
Pegging-machine.....	B. F. Sturtevant.....	159, 836	Feb. 16, 1875	594	197	} 7	
Pegging-machine.....	B. F. Sturtevant.....	159, 857	Feb. 16, 1875	595	197		} 7
Pegging-machine.....	B. F. Sturtevant.....	159, 858	Feb. 16, 1875	597	198	} 7	
Pegging-machine attachment, Shoe.....	J. H. Oliver.....	167, 855	Sept. 21, 1875	454	74		} 8
Pegging-machine, Boot and shoe.....	W. D. Orcutt.....	171, 414	Dec. 21, 1875	740	243	} 8	
Pegging-machine, Boot and shoe.....	T. T. Prosser.....	165, 613	July 13, 1875	468	143		} 8
Pegging-machine, Leather-screw.....	C. M. Higgins.....	169, 541	Nov. 2, 1875	194	66, 67	} 8	
Pegging-machine, Screw.....	A. C. McKnight.....	168, 042	Sept. 21, 1875	613	197		} 8
Pegging-machines, &c., Metallic rod and wire for.....	T. T. Prosser.....	169, 938	Nov. 9, 1875	522	163	} 8	
Pegging-machines, Nail blank or strip for.....	W. A. Rogers.....	161, 280	Mar. 23, 1875	970	317		} 7
Pegging stand, Boot and shoe.....	A. Stone.....	167, 802	Sept. 14, 1875	390	125	} 8	
Pen and pencil case.....	J. T. Gerow.....	165, 723	July 20, 1875	584	179		} 8
Pen and pencil case.....	J. Holland.....	159, 513	Feb. 9, 1875	278	90	} 7	
Pen and pencil case.....	W. A. Sudden.....	169, 012	Oct. 19, 1875	665	219		} 8
Pen and pencil case.....	G. W. Mabic.....	160, 924	Mar. 16, 1875	629	205	} 7	
Pen, Fountain.....	G. Baader.....	164, 923	Apr. 13, 1875	308	162		} 7
Pen, Fountain.....	G. Haanschild.....	161, 228	Mar. 23, 1875	914	299	} 8	
Pen, Fountain.....	J. Johnston.....	170, 954	Dec. 14, 1875	284	95		} 8
Pen-handle and lead-pencil, Combined.....	H. C. Benson.....	161, 467	Mar. 30, 1875	1160	374	} 7	
Pen-holder.....	E. Barberot.....	167, 729	Sept. 14, 1875	321	102		} 8
Pen-holder.....	J. Boyd.....	161, 657	Apr. 6, 1875	79	22	} 7	
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Pen-holder	D. M. Somers	167, 581	Sept. 7, 1875	177	56	8	431
Pen, Rolling	J. R. Gisburne	167, 759	Sept. 14, 1875	351	111	8	463
Pencil	G. W. McGill	166, 934	Aug. 24, 1875	737	228	8	329
Pencil and crayon holder	P. D. Richards	161, 902	Apr. 13, 1875	287	97	7	621
Pencil attachment, Slate	J. Pozuanski	163, 866	June 1, 1875	43	14	7	936
Pencil-case	R. B. Currier	162, 533	Apr. 27, 1875	900	288	7	713
Pencil-case	W. J. Ludlow	165, 609	June 29, 1875	1121	362	7	1115
Pencil-case and calendar, Combined	R. Howland	168, 496	Oct. 5, 1875	158	52	8	587
Pencil-case, Magic	A. T. Cross	164, 430	June 15, 1875	577	187	7	1023
Pencil, Colored copying	G. Schwasshausser	169, 195	Oct. 26, 1875	852	.....	8	708
Pencil-sharpener	I. T. Dyer	171, 110	Dec. 14, 1875	438	142	8	1015
Pencil-sharpener	W. H. Keyes	161, 126	Mar. 23, 1875	833	269	7	487
Pencil-sharpener	M. McCall	164, 575	June 15, 1875	697	227	7	1044
Pencil-sharpener and eraser, Combined	J. S. Hall	170, 083	Nov. 16, 1875	755	239	8	848
Pencil sharpener, Slate	G. W. Choate	161, 862	Apr. 13, 1875	249	83	7	616
Pencils, Machine for manufacturing	R. Lanstrom	168, 030	Sept. 21, 1875	601	192	8	598
Pendulum, Compensation	C. M. C. Prentice	104, 210	June 8, 1875	347	119	7	989
Popper-box, Register	T. W. Burger	159, 865	Feb. 16, 1875	633	210	7	284
Populator	G. McPherson	162, 673	Apr. 27, 1875	1021	327	7	729
Perfecting-press, Rotary	J. L. Firm	169, 795	Nov. 9, 1875	481	151	8	805
Perfecting-press, Rotary	J. L. Firm	169, 796	Nov. 9, 1875	482	152	8	805
Perfecting-press, Rotary	J. L. Firm	170, 512	Nov. 30, 1875	1211	381	8	927
Perfume-fountain	E. Rath	160, 713	Mar. 9, 1875	420	140	7	417
Perfume-fountain	E. Rath	170, 592	Nov. 30, 1875	1262	397	8	933
Perfuming and disinfecting apparatus	C. L. C. Battmann	169, 671	Nov. 9, 1875	349	110	8	788
Permutation-lock	E. Grah	163, 767	May 25, 1875	990	314	7	907
Permutation-lock	D. K. Miller	167, 003	Aug. 24, 1875	814	253	8	340
Permutation-lock, Safe-door	H. Gross	104, 167	June 8, 1875	313	106	7	984
Pessary	T. Brauns	168, 711	Oct. 11, 1875	382	125	8	626
Pessary	J. Kean	163, 871	June 1, 1875	31	10	7	935
Petroleum, Apparatus for the storage of	G. Des Georges	160, 511	Mar. 9, 1875	243	83	7	392
Petroleum-burning furnace	C. Hilbert	160, 267	Mar. 2, 1875	11	5	7	350
Petroleum, Compound for decolorizing	H. Dubis	161, 672	Apr. 6, 1875	73	.....	7	579
Photo-plates for printing in fatty inks, Preparing	P. A. Despaquis	170, 716	Dec. 7, 1875	57	.....	8	958
Photo-relief plates for printing, &c., Process of producing.	L. E. Levy and D. Bachrach, Jr.	159, 104	Jan. 26, 1875	742	245	7	148
Photograph-burnisher	J. Conmbe	168, 457	Oct. 5, 1875	121	42	8	582
Photograph-burnisher	A. C. Moestue	159, 035	Jan. 26, 1875	683	224	7	139
Photograph-burnisher	E. R. Weston	162, 442	Apr. 20, 1875	796	259	7	692
Photograph-burnisher	E. R. Weston	165, 140	June 29, 1875	1236	398	7	1131
Photograph, Carbon	C. L. Lambert	171, 392	Dec. 21, 1875	722	.....	8	1061
Photograph-lubricator	E. R. Weston	164, 625	June 15, 1875	739	.....	7	1050
Photograph-washing machine	J. L. Caylor	166, 847	Aug. 17, 1875	638	199	8	307
Photograph-wrapper	C. Parker	164, 324	June 8, 1875	459	152	7	1003
Photographs, Coloring enameled	W. W. Williams	167, 485	Sept. 7, 1875	90	.....	8	419
Photographs, Printing	B. Swasey	171, 062	Dec. 14, 1875	385	127	8	1009
Photographic background	I. W. Taber and T. H. Boyd	170, 204	Nov. 23, 1875	889	278	8	874
Photographic burnisher	W. G. Etrekieu	163, 170	May 11, 1875	421	137	7	809
Photographic burnishers, Burnishing plates for	J. Bramble, Jr.	159, 889	Feb. 16, 1875	628	208	7	283
Photographic camera	J. and J. Stock	166, 315	Aug. 3, 1875	119	37	8	216
Photographic dark-trunk	F. Robbins	164, 765	June 22, 1875	878	286	7	1077
Photographic eye-rest	S. M. Williams	170, 794	Dec. 7, 1875	127	42	8	967
Photographic head-rest	F. M. Spencer	165, 037	June 29, 1875	1143	369	7	1118
Photographic-head-rest stand	J. J. Hayes	171, 614	Dec. 28, 1875	957	310	8	1102
Photographic-picture exhibitor	A. L. High	161, 130	Mar. 23, 1875	819	268	7	486
Photographic plate	O. B. Evans	166, 932	Aug. 24, 1875	727	.....	8	328
Photographic-plate holder	S. L. Borgstresser	159, 537	Feb. 9, 1875	398	96	7	233
Photographic-plate holder	F. A. and W. S. Howson	169, 702	Nov. 9, 1875	385	121	8	793
Photographic-plate holder	I. W. Taber and T. H. Boyd	158, 872	Jan. 19, 1875	499	168	7	103
Photographic prints, Machine for washing	O. Dubois	165, 966	July 27, 1875	652	262	8	162
Photographic-vignetting machine	C. C. Merrill	165, 017	June 29, 1875	1127	364	7	1116
Photometer	P. Munzinger	170, 292	Nov. 23, 1875	967	302	8	884
Photometer	O. Schuette	165, 764	July 20, 1875	619	190	8	119
Photometer-balance, Electrical	W. W. Goodwin	158, 636	Jan. 12, 1875	266	90	7	61
Photometer, Portable or hand	W. W. Goodwin	164, 728	June 22, 1875	849	275	7	1073
Piano action, Upright	C. E. Rogers	160, 281	Mar. 2, 1875	22	9	7	352
Piano action, Upright	C. E. Rogers	171, 046	Dec. 14, 1875	365	121	8	1006
Piano attachment	A. Steinway	164, 052	June 1, 1875	186	66, 67	7	956
Piano attachment	A. Steinway	164, 053	June 1, 1875	187	67	7	956
Piano attachment	A. Steinway	164, 054	June 1, 1875	188	68	7	956
Piano attachment	A. D. B. Wolf	169, 877	Nov. 9, 1875	560	175	8	814
Piano-forte	G. C. Manner	167, 403	Sept. 7, 1875	22	6	8	409
Piano-forte action	T. P. Carr	165, 304	July 6, 1875	144	44	8	28
Piano-forte action	A. E. Helbard	161, 229	Mar. 23, 1875	915	300	7	499
Piano-forte action, Grand	C. F. T. Steinway	170, 645	Nov. 30, 1875	1309	413	8	940
Piano-forte agraffe	E. Gabler	169, 985	Nov. 16, 1875	662	207	8	836
Piano-forte agraffe	H. Kranich and J. Bach	162, 829	May 4, 1875	84	28	7	758
Piano-forte agraffe	F. W. Nicholas	161, 266	Mar. 23, 1875	957	312	7	504
Piano-forte agraffe	C. T. T. Steinway	170, 646	Nov. 30, 1875	1309	414	8	940
Piano-forte case	H. J. Baker	165, 699	July 20, 1875	563	172	8	110
Piano-forte damper attachment	M. W. Hanchett	168, 484	Oct. 5, 1875	147	49	8	586
Piano-forte damper mechanism	E. Porter	165, 503	July 13, 1875	370	199	8	67
Piano-forte metal frame	C. P. T. Steinway	170, 647	Nov. 30, 1875	1310	414	8	940
Piano-forte music-rack, Upright	S. Brambach	170, 619	Nov. 30, 1875	1287	407	8	937
Piano-forte, &c., name-board	H. Behning and J. Diehl	160, 299	Mar. 2, 1875	37	14	7	354
Piano-forte pedal	W. F. Ulman	169, 931	Nov. 16, 1875	619	192	8	830
Piano-forte pedal attachment	L. C. Whiting	162, 443	Apr. 20, 1875	797	259	7	692
Piano-forte stringing and tension device	C. E. Rogers	171, 047	Dec. 14, 1875	366	122	8	1007
Piano-forte-stringing device	W. F. Ulman	169, 932	Nov. 16, 1875	620	192	8	830
Piano-forte, Upright	B. E. Colley	163, 745	May 25, 1875	973	308	7	905
Piano-insulator	W. R. Miller	159, 342	Feb. 2, 1875	94	32	7	197
Piano-keys, Device for shaping	M. Pratt	162, 417	Apr. 20, 1875	772	251	7	689
Piano-lid prop	D. P. Ramsdell	159, 041	Jan. 26, 1875	687	226	7	140
Piano repeating-action	F. Polster	159, 838	Feb. 16, 1875	578	192	7	276
Piano stringing and tuning device	W. F. Kearsing	160, 600	Mar. 9, 1875	322	108	7	404

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Piano-tuning-pin lock.....	G. P. Reeves.....	164, 763	June 22, 1875	876	286	7	1077
Piano, Upright.....	E. Gabler.....	169, 584	Nov. 16, 1875	661	207	8	836
Piano, Upright.....	G. Trauser.....	169, 386	Nov. 2, 1875	63	18	8	743
Pianos, Stringing.....	A. Moeller.....	164, 862	June 22, 1875	973	314 315	7	1088
Pick.....	T. R. Pinks.....	165, 502	July 13, 1875	369	109	8	66
Picks, &c., Manufacture of.....	J. C. Klein.....	171, 143	Dec. 14, 1875	464	152	8	1019
Picks, &c., Roll for forming the eyes of.....	W. Wustenhagen and J. Besler.....	161, 188	Mar. 23, 1875	875	287	7	494
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Picker-staff check.....	W. W. Stevenson and I. Nuttall.....	167, 707	Sept. 14, 1875	301	95	8	456
Picket-pin.....	J. D. Field.....	168, 890	Oct. 19, 1875	550	180	8	659
Pickles, Process of preparing.....	I. Reekhon and W. H. Stafford.....	164, 659	June 22, 1875	784	.....	7	1064
Picture and letter block, Dissected.....	J. Dennis, jr.....	171, 507	Dec. 28, 1875	846	277	8	1086
Picture-exhibitor.....	J. Buchner.....	164, 138	June 8, 1875	285	97	7	980
Picture-exhibitor.....	C. S. Mills.....	159, 801	Jan. 26, 1875	829	273	7	160
Picture-exhibitor.....	L. H. Sheppard.....	171, 585	Dec. 28, 1875	916	300	8	1097
Picture frame.....	A. D. Judd.....	165, 737	July 20, 1875	595	183	8	115
Picture-frame compound.....	C. D. Wilson and E. Gerry.....	159, 555	Feb. 9, 1875	311	161	7	234
Picture-frame corner piece and clamp.....	C. P. Peinier.....	170, 392	Nov. 23, 1875	1657	332	8	897
Picture-frame, Glass.....	W. H. Roby.....	164, 103	June 8, 1875	257	88	7	977
Picture-frame hanger.....	A. Brown.....	165, 206	July 6, 1875	63	18	8	17
Picture-frame hanger.....	S. Dobbs and W. M. Brayten.....	140, 754	Mar. 16, 1875	479	157	7	432
Picture-frame hanger.....	F. A. Phillippi.....	163, 244	May 11, 1875	488	158	7	818
Picture, &c., frames, Compound for the manufacture of.....	A. N. Atwood.....	159, 629	Feb. 9, 1875	364	.....	7	243
Picture-hanger.....	J. T. Robertson.....	164, 957	June 29, 1875	1063	342	7	1107
Picture-hanger.....	C. M. Smith.....	168, 113	Sept. 28, 1875	706	223	8	529
Picture-holder.....	J. Binney.....	160, 564	Mar. 9, 1875	290	98	7	399
Picture-holder.....	F. B. Perkins and W. S. Dodds.....	170, 585	Nov. 30, 1875	1252	394	8	932
Picture-hook, Adjustable.....	T. C. Richards.....	167, 620	Sept. 14, 1875	226	70	8	445
Picture-mount.....	J. A. Van Drelzen.....	161, 303	Mar. 23, 1875	990	324	7	508
Picture-nail.....	T. C. Richards.....	169, 730	Nov. 9, 1875	410	130	8	796
Picture-nail.....	J. P. Stockton, jr.....	169, 739	Nov. 9, 1875	419	133	8	797
Picture-nail.....	O. W. Taft.....	167, 639	Aug. 24, 1875	837	261	8	343
Pictures, Apparatus for viewing.....	E. S. Ritchie.....	164, 946	June 1, 1875	91	31	7	943
Pictures for transferring, Manufacture of oil.....	W. Kuehn.....	168, 096	Sept. 28, 1875	691	218	8	527
Pictures, mirrors, &c., Device for hanging.....	H. D. Pope.....	167, 786	Sept. 14, 1875	376	120	8	466
Pie-plate stand.....	A. Moody.....	170, 881	Dec. 7, 1875	197	68	8	977
Pier, Cast-iron.....	J. F. Hume.....	167, 253	Aug. 31, 1875	1058	329	8	381
Piers, Construction of.....	J. Mihoy and J. W. Butler.....	169, 938	Mar. 16, 1875	641	209	7	454
Pigeon-starter.....	H. A. Rosenthal.....	159, 846	Feb. 16, 1875	584	194	7	277
Pile, Box.....	E. G. Sewell.....	169, 850	Nov. 9, 1875	534	166	8	811
Pile-driver.....	M. McDermott.....	163, 226	May 11, 1875	469	152	7	816
Pile-driver, Explosive.....	J. M. Allen.....	161, 373	Mar. 30, 1875	1075	348	7	527
Pile-driver, Steam.....	T. T. Loomis.....	160, 781	Mar. 16, 1875	507	165	7	436
Pile-driver, Steam.....	T. T. Loomis.....	165, 170	July 6, 1875	27	8	8	12
Piles, Extension-cap for.....	J. C. Davis.....	171, 102	Dec. 14, 1875	421	140	8	1014
Piles for beams, Manufacture of.....	Z. S. Durfee.....	158, 578	Jan. 12, 1875	214	73	7	54
Piling, Driver for sheet.....	S. Gardner.....	164, 511	June 15, 1875	668	216	7	1041
Pill-coating machine.....	A. P. W. and W. F. A. Neynaber.....	170, 185	Nov. 23, 1875	872	273	8	871
Pill-tile.....	W. E. Van Velsor.....	163, 532	May 18, 1875	793	251	7	874
Pills, Manufacture of.....	J. Duntton.....	168, 240	Sept. 28, 1875	821	.....	8	545
Pillow.....	G. T. Barker.....	168, 126	Sept. 28, 1875	721	227	8	531
Pillow-case frame.....	T. F. Walter.....	167, 369	Aug. 31, 1875	1160	365	8	395
Pin: <i>See</i> Brooch-pin. Picket-pin. Clothes-pin. Rolling-pin. Diaper-pin. Safety-pin. Hair-crimping pin. Shawl-pin. Jewelry-pin. Toilet-pin. Ox-bow pin. Wooden pin. Piano-tuning pin.							
Pin.....	W. R. Gardner and C. C. Blossom.....	159, 810	Feb. 16, 1875	553	184	7	273
Pin and dowel making machine.....	R. H. and O. S. Eldridge.....	164, 367	June 15, 1875	515	169	7	1020
Pin-sorting machine.....	J. D. Shelton.....	166, 153	July 27, 1875	1014	312	8	185
Pin-separator.....	J. D. Shelton.....	161, 164	Mar. 23, 1875	856	280	7	491
Pinch-bar.....	M. G. Collins.....	163, 153	May 11, 1875	405	130	7	807
Pinch-bar.....	W. Werts.....	158, 450	Jan. 5, 1875	84	29	7	21
Pinchers.....	G. H. Strong.....	163, 277	May 11, 1875	520	169	7	822
Pinchers, Crimper's.....	G. G. Wright and G. Bassett.....	169, 503	Nov. 2, 1875	160	54	8	757
Pinchers, Wire-barb.....	J. Dobbs and B. F. Booth.....	166, 511	Aug. 10, 1875	324	98	8	252
Pinking-machine.....	T. Haggerty.....	161, 780	Apr. 6, 1875	162	56	7	592
Pipe: <i>See</i> Blow-pipe. Sheet-metal pipe. Cement-pipe. Smoke-stack heater- Cigar-pipe. pipe. Clay pipe. Smoking-pipe. Concrete pipe. Sprinkling-pipe. Dip-pipe. Steam-pipe. Drain-pipe. Steam and gas pipe. Drain and sewer pipe. Stove-pipe. Earthenware pipe. Tobacco-pipe. Hydraulic pipe. Toy bubble-pipe. Locomotive exhaust- pipe. Vencer-pipe. Metallic pipe. Waste-pipe. Pump suction-pipe. Water-pipe. Service compier-pipe. Wrought-iron pipe.							
Pipe.....	R. M. C. Broas.....	169, 674	Nov. 9, 1875	352	111	8	789
Pipe.....	H. S. Lansdell and J. S. Leng.....	162, 833	May 4, 1875	88	29	7	758
Pipe.....	F. G. Merriam.....	169, 565	Nov. 2, 1875	226	71	8	765
Pipe.....	F. G. Merriam.....	169, 566	Nov. 2, 1875	227	71	8	765



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Pipe and nut wrench	F. Kohler	159,420	Feb. 2, 1875	160	54	7	206
Pipe-coupling	J. A. Cole	170,058	Nov. 16, 1875	725	231	8	845
Pipe-coupling	A. W. Cooper and J. Sutcliffe	163,463	May 18, 1875	703	224	7	863
Pipe-coupling	H. K. Flagler and W. E. Dodge	168,733	Oct. 11, 1875	402	131	2	629
Pipe-coupling	C. F. Hemis	166,829	Aug. 24, 1875	798	247	8	337
Pipe-cutter	F. I. Maule	167,773	Sept. 14, 1875	366	116	8	465
Pipe-drilling machine	F. Grinnell	169,354	Nov. 2, 1875	32	9	10	739
Pipe-elbows, Machine for making	A. Syverson	169,863	Nov. 9, 1875	546	170	8	812
Pipe-fittings, Device for holding	T. P. Hardy	160,319	Mar. 2, 1875	58	21	7	357
Pipe-fittings, Machine for tapping	J. Kacerovsky	161,340	Mar. 30, 1875	1040	{ 338 339 }	7	523
Pipe-joint	J. Hlyde	170,373	Nov. 23, 1875	1037	335	8	894
Pipe-joint	B. Jenning	170,476	Nov. 30, 1875	1150	362	8	918
Pipe-joint, Cold-packed	A. N. Rankin	169,659	Nov. 9, 1875	337	107	8	787
Pipe-joint, Flexible	J. P. Culver	163,051	May 11, 1875	312	100	7	795
Pipe or hose coupling	G. M. Hopkins	162,169	Apr. 20, 1875	538	177	7	660
Pipe or tubing, Coupling	H. K. Flagler and C. F. Brown	170,473	Nov. 30, 1875	1147	362	8	918
Pipe-shield	H. Palmieri	163,241	May 11, 1875	485	158	8	818
Pipe-stem	J. W. Fleischmann	169,349	Nov. 2, 1875	25	8	8	738
Pipe-stem	H. C. Fritz	165,814	July 20, 1875	673	206	8	125
Pipe welding and finishing machine	M. Blakey	166,449	Aug. 10, 1875	273	82	8	245
Pipe-wrench	M. S. Clark	164,075	June 8, 1875	231	80	7	973
Pipe-wrench	G. D. Dean	163,642	May 25, 1875	888	{ 280 281 }	7	894
Pipe-wrench	C. H. Fulmer	160,415	Mar. 2, 1875	141	50	7	369
Pipe-wrench	D. Gilbert	160,159	Feb. 23, 1875	901	296	7	328
Pipe-wrench	L. Glynn	165,725	July 20, 1875	586	180	8	114
Pipe-wrench	H. Otto	160,946	Mar. 16, 1875	649	211	7	455
Pipe-wrench	D. P. Stanton	170,201	Nov. 23, 1875	887	277	8	873
Pipe-wrench	W. K. Stevens	160,852	Oct. 19, 1875	518	170	8	654
Pipe-wrench	H. C. Stouffer	159,829	Jan. 26, 1875	857	279	7	164
Pipe-wrench	H. C. Stouffer	166,428	Aug. 3, 1875	230	70	8	831
Pipe-wrench	G. W. Waitt	167,368	Aug. 31, 1875	1159	365	8	395
Pipe-wrench	J. B. Westwick	159,234	Jan. 26, 1875	861	281	7	165
Pipe-wrench	J. A. White	171,333	Dec. 21, 1875	664	219	8	1054
Pipes with cement, Machine for lining	M. Allen	162,515	Apr. 27, 1875	84	283	7	712
Pisciculture apparatus	A. Bond	160,062	Feb. 23, 1875	753	249	7	307
Pistol-stock	W. L. Godfrey	160,766	Mar. 16, 1875	495	161	7	434
Pistol-stock	W. L. Godfrey	163,478	May 18, 1875	723	230	7	865
Piston	T. S. Davis	160,752	Mar. 10, 1875	478	156	7	432
Piston-rod lubricator	S. Hoffmaster	161,614	Apr. 6, 1875	22	10	7	572
Piston-springs, Manufacturing	J. Mitchell	171,157	Dec. 14, 1875	478	156	8	1021
Piston, Steam	O. M. Stillman	167,860	Sept. 21, 1875	459	145	8	486
Piston, Steam-engine	W. T. Davall	166,592	Aug. 10, 1875	389	121	8	262
Pistons of steam-engines, Cushion for	G. H. Reynolds	162,192	Apr. 20, 1875	557	183	7	663
Pitcher, Glass sirup	L. Wagner	161,364	Mar. 30, 1875	1062	345	7	536
Pitcher, Molasses	L. Wagner	167,862	Sept. 21, 1875	461	146	8	487
Pitcher, Self-closing	W. H. McGrew and C. A. Clark	170,096	Nov. 16, 1875	766	243	8	850
Pitcher, Strup	S. W. Babbitt	164,128	June 8, 1875	277	95	7	979
Pitman	T. E. Chandler	158,571	Jan. 12, 1875	209	71	7	53
Pitman	J. R. Taylor	165,040	June 29, 1875	1146	370	7	1119
Pitman-connection	J. F. Thomas	166,039	July 27, 1875	900	278	8	168
Pitman-connection	L. H. Davis	158,690	Jan. 12, 1875	315	107	7	68
Pitman-connection	G. H. Earnest	170,666	Dec. 7, 1875	12	4	8	952
Pitman-connection	S. B. Howard	168,254	Sept. 28, 1875	836	267	8	547
Pitman-connection	L. Mangus	158,852	Jan. 19, 1875	481	161	7	106
Pitman-connection, Elastic	G. W. Harrison	160,426	Mar. 2, 1875	151	53	7	370
Pitman-connections, Oscillating joint for	A. K. Smith	167,948	Sept. 21, 1875	525	168	8	497
Pivot-chair	J. Lemman	163,790	May 25, 1875	1010	320	7	910
Plaiting-machine	E. L. Howard	169,642	Nov. 9, 1875	323	102	8	785
Plaiting-machine	M. M. Macdonald	170,869	Dec. 7, 1875	189	64	8	976
Plane	G. L. Weaver	160,132	Feb. 23, 1875	860	255	7	323
Plane, Bench	C. Bridges	165,704	July 20, 1875	567	173	8	111
Plane, Bench	L. L. Davis	167,311	Aug. 31, 1875	1105	348	8	388
Plane, Bench	T. Hagerty	161,609	Apr. 6, 1875	18	7	7	571
Plane, Bench	W. Johnstone	161,516	Mar. 30, 1875	1213	390	7	545
Plane, Bench	J. E. Norwood	161,701	Apr. 6, 1875	95	33	7	583
Plane, Bench	H. Shogren	165,884	July 20, 1875	743	227	8	135
Plane, Bench	J. A. Traut and H. Richards	168,431	Oct. 5, 1875	98	34	8	579
Plane, Bench	T. H. Wall	164,350	June 8, 1875	487	160	7	1097
Plane, Bench	D. F. Williams	166,239	Aug. 3, 1875	49	16	8	206
Plane, Bench	D. F. Williams	166,240	Aug. 3, 1875	50	16	8	206
Plane, Bench	J. A. Traut	159,865	Feb. 16, 1875	605	200	7	280
Plane, Block	M. C. Mayo	167,772	Sept. 14, 1875	364	116	8	465
Plane, Carpenter's	E. G. Storke	162,710	Apr. 27, 1875	1063	339	7	731
Plane, Dado	C. G. Miller and L. Bailey	163,556	July 6, 1875	195	58	8	35
Plane-guide	W. S. Shippe	167,943	Sept. 21, 1875	522	167	8	497
Plane-guide, Bench	H. P. Taylor	165,132	June 29, 1875	1226	394	7	1130
Plane-iron	W. Young	165,291	July 6, 1875	133	40	8	27
Plane, Joiner's	J. Look	165,742	July 20, 1875	599	184	8	116
Plane, Tonguing and grooving	C. G. Miller	165,355	July 6, 1875	194	58	8	35
Planer-cutter sharpener	G. Manvel	167,920	Sept. 21, 1875	505	161	8	494
Planers, Work-holding device for metal	A. B. Prouty	164,594	June 15, 1875	713	232	7	1046
Planing and molding machines, Cutter-lead for	G. J. Shimer	166,085	July 27, 1875	697	227	8	168
Planing-machine	C. B. Beall	163,567	May 25, 1875	818	259	7	885
Planing-machine	E. Benjamin	161,634	June 22, 1875	769	230	7	1061
Planing-machine	C. and G. F. Buss	161,749	Apr. 6, 1875	138	47	7	589
Planing-machine	W. H. Doane and G. W. Passel	167,749	Sept. 14, 1875	337	108	8	461
Planing-machine	A. H. Frank and G. Spire	171,510	Dec. 28, 1875	848	279	8	1087
Planing-machine	H. C. Holloway	164,739	June 22, 1875	858	277	7	1074
Planing-machine	L. Houston	171,480	Dec. 28, 1875	818	268	8	1083
Planing-machine	C. R. Patterson	163,802	May 25, 1875	1021	{ 323 324 }	7	912
Planing-machine	D. H. Bice and J. W. Murkland	168,529	Oct. 5, 1875	10	62	8	591
Planing-machine	J. K. Smith	165,261	July 6, 1875	112	33	8	24

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Planting machine	G. Spire	162, 776	May 4, 1875	38	12	7	752
Planting-machine	C. R. Tompkins	161, 666	June 23, 1875	79	259	7	1065
Planting machine	D. L. Toppan	161, 995	Apr. 13, 1875	363	122	7	631
Planting machine	G. P. S. Wardwell	160, 372	Mar. 2, 1875	104	37	7	363
Planting-machine	W. Wells	167, 145	Aug. 24, 1875	940	293	8	353
Planting-machine	G. E. Woodbury	161, 726	Apr. 6, 1875	115	41, 42	7	5-6
Planting-machine	L. S. Woodbury	166, 444	Aug. 3, 1875	247	75	8	234
Planting-machine-cutter-head	H. H. Baker	170, 802	Dec. 7, 1875	134	44	8	963
Planting-machine-cutter-holder	W. B. Smith	167, 793	Sept. 14, 1875	381	122	8	467
Planting-machine feed-roller	S. N. Brown and H. W. Meyer	158, 671	Jan. 12, 1875	300	102	7	66
Planting-machine, Hand	W. H. Doane and G. W. Passel	170, 349	Nov. 23, 1875	1016	319	8	892
Planting machine, Miter	J. M. Neubach	165, 600	July 13, 1875	456	139	8	80
Planting machine priming attachment	B. C. Chambers	169, 520	Nov. 22, 1875	177	59	8	759
Planting machine, Surface	W. G. Margedant	171, 397	Dec. 21, 1875	246	238 239	8	1062
Planting machine, Wood	W. W. Carey	160, 507	Mar. 9, 1875	720	82	7	391
Planting machine, Wood	J. S. Graham	164, 989	June 29, 1875	1103	356	7	1113
Planting machine, Wood	L. M. Hills and E. Allen	162, 649	Apr. 27, 1875	995	330	7	725
Planting machine, Wood	J. Ross	161, 444	Mar. 30, 1875	1138	367	7	535
Planting-machines, Adjusting feed-rolls for	C. D. Lawrence and C. E. Ward	168, 600	Oct. 11, 1875	311	168	8	619
Planting-clamp	J. Hastings	166, 524	Aug. 10, 1875	333	101	8	234
Plant-protector	M. E. Slocum	163, 417	May 18, 1875	663	212	7	857
Plants, Portable cover for	W. Musgrove	159, 346	Feb. 2, 1875	97	33	7	197
Planter and cultivator, Combined.	C. F. Keller	168, 750	Oct. 11, 1875	418	136	8	632
Planter and cultivator, Corn	P. S. Starnes	165, 513	July 13, 1875	379	112 113	8	68
Planter and drill, Seed	W. C. Walker	169, 750	Nov. 9, 1875	433	137	8	799
Planter and fertilizer distributor, Cotton-seed	J. B. Legg	160, 920	Mar. 16, 1875	625	214	7	452
Planter and fertilizer-distributor, Seed	D. F. Balcantine	165, 198	July 6, 1875	56	16	8	16
Planter and fertilizer-distributor, Seed	M. P. Curles	170, 823	Dec. 7, 1875	152	51	8	971
Planter, Check-row	W. H. Johnson	170, 673	Dec. 7, 1875	18	5	8	953
Planter, Check-row	J. Klar and H. S. Dipron	169, 361	Nov. 2, 1875	39	12	8	740
Planter check-row attachment, Corn	G. C. Flagg	169, 960	Nov. 16, 1875	658	206	8	835
Planter check-row attachment, Corn	M. Newton	165, 115	June 29, 1875	1214	391	7	1122
Planter check-row cord, Corn	G. D. Haworth	153, 177	Jan. 26, 1875	607	264	7	157
Planter check-rower, Corn	G. D. Haworth	160, 075	Feb. 23, 1875	799	262	7	313
Planter, Corn	J. B. Abbott	170, 147	Nov. 23, 1875	837	263	8	867
Planter, Corn	H. Bagley	158, 352	Jan. 5, 1875	2	1	7	9
Planter, Corn	C. Berryman	160, 382	Mar. 2, 1875	110	40	7	364
Planter, Corn	J. Bryer	169, 469	Nov. 2, 1875	82	26	8	746
Planter, Corn	J. Elverud	158, 410	Jan. 5, 1875	52	18	7	16
Planter, Corn	A. Fox	168, 632	Oct. 11, 1875	315	102 103	8	616
Planter, Corn	W. Gardner and G. L. Harp	169, 432	Nov. 2, 1875	102	32	8	749
Planter, Corn	W. B. Garoutte	165, 322	July 6, 1875	165	50	8	31
Planter, Corn	C. Gmeiner and C. Schöttler	170, 728	Dec. 7, 1875	68	21	8	959
Planter, Corn	M. Gregg	158, 4-7	Jan. 5, 1875	122	41	7	26
Planter, Corn	H. P. Hall	158, 4-8	Jan. 5, 1875	123	41	7	26
Planter, Corn	A. Hearst	170, 474	Nov. 30, 1875	1148	362	8	918
Planter, Corn	A. Hodgson	168, 386	Oct. 5, 1875	69	24	8	574
Planter, Corn	C. Hutchins	162, 173	Apr. 20, 1875	541	178	7	661
Planter, Corn	J. Kelly	167, 612	Sept. 14, 1875	820	68	8	444
Planter, Corn	B. King	169, 176	Oct. 26, 1875	538	273	8	706
Planter, Corn	L. L. Lawrence and G. S. Thomas	159, 939	Feb. 16, 1875	672	223	7	289
Planter, Corn	A. M. Manny	159, 832	Feb. 16, 1875	572	190	7	276
Planter, Corn	E. E. Matthews	167, 552	Sept. 7, 1875	152	47	8	427
Planter, Corn	J. G. Mole	169, 721	Nov. 9, 1875	400	136	8	795
Planter, Corn	H. Moore	158, 431	Jan. 5, 1875	67	24	7	19
Planter, Corn	E. Morgan	168, 046	Sept. 21, 1875	620	198	8	511
Planter, Corn	T. L. Rittenhouse and J. V. Lewis	169, 011	Oct. 19, 1875	693	228 229	8	678
Planter, Corn	A. Roark	159, 454	Feb. 2, 1875	192	65	7	211
Planter, Corn	L. Seofield	162, 106	Apr. 13, 1875	458	152 153	7	643
Planter, Corn	G. W. Shepherd	165, 765	July 20, 1875	620	191	8	119
Planter, Corn	A. M. Southard	169, 307	Oct. 26, 1875	961	311	8	722
Planter, Corn	A. Staley	159, 618	Feb. 9, 1875	357	118	7	242
Planter, Corn	J. Stoll	162, 423	Apr. 20, 1875	782	254	7	690
Planter, Corn	F. Van Doren	162, 779	May 4, 1875	41	13	7	752
Planter, Corn	J. K. Walter	164, 624	June 15, 1875	738	241	7	1050
Planter, Corn	O. P. Williams	158, 557	Jan. 5, 1875	178	62	7	34
Planter, Corn	S. Wishard	171, 462	Dec. 21, 1875	780	258	8	1069
Planter, Corn	S. Wright	167, 287	Aug. 31, 1875	1086	341	8	385
Planter, Corn and Seed	H. P. Sullivan	170, 412	Nov. 23, 1875	1075	339	8	900
Planter, Cotton	J. B. Onan	167, 466	Sept. 7, 1875	76	23	8	417
Planter, Cotton, corn, and pea	D. W. Bristol and J. F. B. Scarecy	166, 254	Aug. 3, 1875	64	20	8	208
Planter, Cotton-seed	B. F. Cadenhead	160, 389	Mar. 2, 1875	115	42	7	365
Planter, Cotton-seed	J. Dana	164, 748	May 25, 1875	976	309	7	905
Planter, Cotton-seed	J. C. Jenkins	164, 304	July 5, 1875	441	146	7	1001
Planter, Cotton-seed	B. F. Miller and W. J. Reeves	158, 727	Jan. 12, 1875	347	118	7	73
Planter, Gang corn	S. P. Evans	160, 889	Mar. 16, 1875	599	195	7	448
Planter, Hand	D. W. Hughes	167, 251	Aug. 31, 1875	1057	329	8	381
Planter, Hand corn	J. Beers	163, 997	June 1, 1875	105	36	7	945
Planter, Hand corn	J. W. Cleland	161, 932	Apr. 13, 1875	315	105	7	624
Planter, Hand corn	O. C. Gilmore	168, 389	Oct. 5, 1875	61	22	8	573
Planter, Hand corn	H. Ogborn and T. T. Kendrick	162, 493	Apr. 27, 1875	865	277	7	709
Planter, Hand corn	E. S. Turner	158, 545	Jan. 5, 1875	168	57	7	32
Planter, Hand potato	J. Sawyer	158, 742	Jan. 12, 1875	358	122	7	74
Planter, Hand seed	T. J. Hubbell	170, 865	Dec. 7, 1875	1-6	63	8	975
Planter, Hand-wheel corn	J. Campbell	162, 621	Nov. 9, 1875	297	96	8	782
Planter, Potato and seed	W. H. Whitman	163, 711	May 25, 1875	943	299	7	901
Planter, Rice	J. C. Brand	159, 148	Jan. 26, 1875	779	256	7	153
Planter, Seed	W. V. Burgess	162, 527	Apr. 27, 1875	893	286	7	713
Planter, Seed	J. T. Carr	161, 661	Apr. 6, 1875	67	24	7	578
Planter, Seed	J. G. Garner	159, 687	Jan. 26, 1875	726	210	7	146

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Planter, Seed	A. M. Kanouse	168,259	Sept. 22, 1875	840	268	4	548
Planter, Seed	W. Nevins	169,725	Nov. 9, 1875	405	128	8	796
Planter, Seed	H. E. Pennypacker	160,707	Mar. 9, 1875	416	138	7	417
Planter, Seed	W. Post and M. Colbert	161,438	Mar. 30, 1875	1133	365	7	545
Planter, Seed	E. M. Patter	159,840	Feb. 16, 1875	580	192	7	277
Planter, Seed	W. C. Reynolds	158,440	Jan. 5, 1875	74	26	7	20
Planter, Seed	J. W. Simpson	169,122	Oct. 26, 1875	793	257	6	699
Planter, Seed	U. T. Stewart	161,292	Mar. 23, 1875	979	320	7	507
Planter, Seed	J. F. Warner	158,550	Jan. 5, 1875	172	59	7	33
Planter, Seed	F. O. Wencell	167,206	Aug. 31, 1875	1018	316	8	375
Planters, Wheel-scraper for	J. C. Barlow	158,885	Jan. 19, 1875	510	171	7	110
Plastering, Corner-bead for	G. P. Atherton	168,207	Sept. 28, 1875	795	253	8	542
Plastering safety-plates	G. A. Thurston	169,128	Oct. 26, 1875	799	259	8	700
Plastic compound for making ornamental articles	P. B. DeRuy	168,056	Sept. 22, 1875	680	.....	8	526
Plate and cutter, Combined pie	W. H. Manning	161,890	Apr. 13, 1875	276	93	7	620
Plate-lifter	D. M. Skinner	162,199	Apr. 20, 1875	564	185	7	663
Plate lifter and toaster	J. A. Rakestraw	163,105	May 11, 1875	361	117	7	802
Plate, Luncheon	J. W. Botcler	163,355	May 18, 1875	611	195	7	850
Plate-rack	W. R. P. Cross	169,962	Nov. 16, 1875	643	201	8	833
Platform: See Car-platform. Stove-platform.	Window-platform.						
Platform-elevator	G. C. Howard	170,087	Nov. 16, 1875	758	240	8	849
Pliers, Cutting	J. G. Foreman	163,175	May 11, 1875	425	138	7	810
Pliers, Parallel	H. R. Russell	168,924	Oct. 19, 1875	588	194	8	664
Plow	W. Adams	160,989	Mar. 23, 1875	695	229	7	471
Plow	W. K. Allen	165,632	July 20, 1875	522	159	8	105
Plow	S. S. Ancho	159,377	Feb. 2, 1875	121	42	7	201
Plow	F. R. Bell	163,352	May 18, 1875	610	194	7	850
Plow	B. S. Benson	162,015	Apr. 15, 1875	379	127	7	633
Plow	W. Bradford	160,285	Mar. 2, 1875	112	41	7	365
Plow	B. C. Bradley	164,134	June 8, 1875	2-2	96	7	980
Plow	T. E. C. Brinley	170,516	Nov. 30, 1875	1187	374	8	923
Plow	T. M. Brous	166,586	Aug. 10, 1875	384	119	8	261
Plow	C. L. Carter	162,151	Apr. 20, 1875	520	171	7	658
Plow	C. J. Cox	159,905	Feb. 16, 1875	644	213	7	285
Plow	W. H. Daniels	168,235	Sept. 28, 1875	817	260	8	545
Plow	C. R. Dugdale and D. Breed	160,686	Feb. 23, 1875	825	271	7	317
Plow	A. B. Faquilar	158,580	Jan. 12, 1875	216	74	7	54
Plow	I. Freeman	167,756	Sept. 14, 1875	349	111	8	493
Plow	I. Freeman	169,799	Nov. 9, 1875	486	153	8	805
Plow	H. Gale	159,174	Jan. 26, 1875	802	263	7	156
Plow	O. J. Glasco	164,727	June 22, 1875	848	275	7	1073
Plow	A. Griggs	164,730	June 22, 1875	851	276	7	1073
Plow	A. Hall	171,477	Dec. 28, 1875	815	267	8	1082
Plow	A. Hempe	159,321	Feb. 2, 1875	78	26	7	114
Plow	A. Hempe	160,094	Feb. 23, 1875	831	273	7	318
Plow	C. A. Hege	162,549	Apr. 27, 1875	912	292	7	715
Plow	H. H. Hubble	171,022	Dec. 14, 1875	347	116	8	1004
Plow	J. A. Johnson	159,267	Feb. 2, 1875	24	8	7	188
Plow	H. Krog, sr.	166,281	Aug. 3, 1875	90	27	8	212
Plow	J. Lane	162,210	Apr. 20, 1875	604	198	7	668
Plow	W. S. Lawrence	165,451	July 13, 1875	322	94	8	59
Plow	T. S. Macomber	159,338	Feb. 2, 1875	91	31	7	196
Plow	W. H. McCune	169,716	Nov. 9, 1875	396	124	8	784
Plow	T. J. Meroney	162,760	May 4, 1875	22	8	7	750
Plow	J. Middleitch	166,127	July 27, 1875	937	305	8	181
Plow	J. O. Minor	160,836	Mar. 16, 1875	555	180	7	442
Plow	C. Myers	164,471	June 15, 1875	611	198	7	1032
Plow	J. B. Norris, M. M. Bowers, and W. C. Dimmock.	164,201	June 8, 1875	338	116	7	988
Plow	H. Olson	164,025	June 1, 1875	156	55	7	952
Plow	M. Ormond	167,686	Sept. 14, 1875	282	89	8	453
Plow	J. Phillips	170,764	Dec. 7, 1875	102	32	8	964
Plow	N. G. Pinney	171,166	Dec. 14, 1875	487	161	8	1022
Plow	A. Rigby	159,967	Feb. 16, 1875	697	232	7	292
Plow	G. Riegen	165,179	July 6, 1875	37	10	8	13
Plow	J. R. Sample	165,876	July 20, 1875	733	224	8	124
Plow	O. P. Sanford	165,877	July 20, 1875	734	224	8	134
Plow	J. Sewell	171,435	Dec. 21, 1875	758	249	8	1046
Plow	D. B. Smith	162,962	May 4, 1875	213	68	7	775
Plow	W. S. Wadsworth	160,734	Aug. 17, 1875	543	167	8	292
Plow	L. B. White	164,951	June 29, 1875	1073	366	7	1108
Plow	L. B. White	164,952	June 29, 1875	1075	346	7	1109
Plow	G. and T. Wiard	165,903	July 30, 1875	760	232	8	137
Plow	J. Worrall	171,205	Dec. 14, 1875	529	175	8	1038
Plow	J. Yocum	158,561	Jan. 5, 1875	182	63	7	34
Plow	J. P. Zeller	163,563	May 18, 1875	801	254	7	875
Plow-adjnster	S. T. Ferguson	159,913	Feb. 16, 1875	649	215	7	2-6
Plow and cultivator, Combined gang	W. Clements	161,592	Apr. 6, 1875	5	2	7	569
Plow attachment	G. M. Todd	169,313	Oct. 26, 1875	967	313	8	733
Plow attachment	E. N. Yardley	162,210	Apr. 20, 1875	575	188	7	665
Plow-beam	C. Kimpleu	158,642	Jan. 12, 1875	272	92	7	62
Plow-beam, Metal	M. McDowell	158,725	Jan. 12, 1875	346	117	7	72
Plow-cap-making machine	A. Marland and W. J. Lewis	162,839	May 4, 1875	93	31	7	759
Plow-carriage	R. Coreth	163,464	May 18, 1875	704	{ 224 225 }	7	863
Plow-carriage	D. W. Ralston	160,230	Feb. 23, 1875	945	311	7	335
Plow clevis, Side-hill	F. C. Merrill	166,925	Aug. 24, 1875	748	229	8	329
Plow-coltter cleaner	T. Wallis and O. J. Case	164,781	June 22, 1875	896	292	7	1079
Plow, Corn	A. Binder	166,333	Aug. 3, 1875	135	42	8	218
Plow, Corn	L. G. Clawson	162,793	May 4, 1875	60	19	7	755
Plow, Ditching	A. L. Harned	161,509	Mar. 30, 1875	1206	387	7	544
Plow, Double	S. D. Williamson	170,146	Nov. 16, 1875	814	{ 256 257 }	8	856
Plow furrow-gage	B. B. Hawes	170,256	Nov. 23, 1875	937	292	8	880

## Alphabetical list of inventions—Continued.

Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
				Spec.	Dr. & C.	Vol.	Page.
Plow, Gang.....	E. A. Beers.....	166,063	July 27, 1875	921	285	6	171
Plow, Gang.....	F. A. Hill.....	170,562	Nov. 23, 1875	942	294	2	861
Plow, Gang.....	J. B. Hunter.....	160,099	Feb. 23, 1875	834	274	7	319
Plow, Gang.....	D. Kendig.....	168,646	Oct. 11, 1875	328	107	8	618
Plow, Gang.....	D. A. Manuel.....	166,536	Aug. 10, 1875	342	105	6	255
Plow, Gang.....	J. R. McCormick.....	171,299	Dec. 21, 1875	637	209	2	1050
Plow, Gang.....	G. Moore.....	158,859	Jan. 19, 1875	487	164	7	107
Plow, Gang.....	C. Myers.....	158,387	Jan. 5, 1875	31	11	7	13
Plow, Gang.....	T. M. Nichol.....	162,094	Apr. 13, 1875	447	149	7	642
Plow, Gang.....	H. Opp.....	165,497	July 13, 1875	364	108	8	66
Plow, Gang.....	E. P. Pulliam.....	165,866	July 20, 1875	797	221	6	132
Plow, Gang.....	L. O. Rockwood.....	162,254	Apr. 20, 1875	616	200	7	670
Plow, Gang.....	S. S. Scheumack.....	161,284	Mar. 23, 1875	973	318	7	506
Plow, Gang.....	T. M. Shaw.....	170,778	Dec. 7, 1875	114	36	8	965
Plow, Gang.....	E. J. Sprague.....	162,709	Apr. 27, 1875	1062	338	7	733
Plow, Gang.....	J. A. Sutlerland.....	162,115	Apr. 13, 1875	470	156	7	644
Plow harrow-attachment.....	P. Jacobs and D. R. Ambrose.....	159,416	Feb. 2, 1875	157	53	7	206
Plow-iron.....	G. Moore and G. Curkendall.....	164,022	June 1, 1875	154	55	7	352
Plow land-sides, Die for making.....	C. H. Thompson.....	164,664	June 22, 1875	787	258	7	1065
Plow mold-boards, Making.....	J. Holms.....	165,581	July 13, 1875	440	133	8	78
Plow-point.....	T. S. Urie.....	171,068	Dec. 14, 1875	391	129	8	1069
Plow-point, Reversible.....	M. M. Bowers.....	165,704	July 20, 1875	567	173	8	111
Plow-points, Casting.....	G. Ward.....	165,046	June 29, 1875	1132	371	7	1119
Plow, Reversible.....	M. R. Hubbell.....	168,157	Sept. 28, 1875	752	237	8	536
Plow, Reversible.....	J. McCabe.....	164,614	June 1, 1875	146	52	7	951
Plow riding-attachment.....	J. T. Wells.....	161,645	Apr. 6, 1875	49	19	7	576
Plow, Rotary.....	W. H. Foye.....	158,482	Jan. 5, 1875	115	39	7	25
Plow, Rotary gang.....	J. K. Underwood.....	169,499	Nov. 2, 1875	157	52	8	756
Plow row-gage.....	W. E. Stanley.....	163,701	May 25, 1875	934	297	7	900
Plow, Side-hill.....	R. I. Knapp.....	167,492	Sept. 7, 1875	21	6	8	409
Plow, Side-hill.....	C. H. Stratton.....	160,625	Mar. 9, 1875	341	115	7	497
Plow, Snow.....	E. G. Graves.....	165,563	July 13, 1875	424	123	8	75
Plow, Snow.....	C. Marshall.....	163,501	May 18, 1875	745	237	7	867
Plow, Snow.....	S. B. Miner.....	167,775	Sept. 14, 1875	367	117	8	465
Plow, Snow.....	T. Reeder and A. Fetterhoff.....	165,177	July 6, 1875	35	10	8	13
Plow, Snow.....	A. J. Smith.....	166,649	Aug. 10, 1875	442	136	8	270
Plow, Snow.....	H. Twitchell and G. E. Parsons.....	159,866	Feb. 16, 1875	606	200	7	280
Plow-standard.....	H. Berger.....	161,095	Mar. 23, 1875	794	260	7	483
Plow-standard fastening.....	G. B. Birmingham.....	161,745	Apr. 6, 1875	15	46	7	588
Plow, Steam.....	D. Beaumont.....	162,884	May 4, 1875	133	44	7	764
Plow, Steam.....	B. S. Benson.....	171,595	Dec. 28, 1875	926	303	8	1098
Plow, Steam.....	J. Fogarty.....	160,750	Mar. 16, 1875	487	159	7	433
Plow, Steam.....	T. C. Stark.....	166,230	Aug. 3, 1875	41	11	8	205
Plow, Stump.....	V. M. Chafee.....	158,468	Jan. 5, 1875	104	35	7	23
Plow, Sulky.....	J. C. Carns.....	159,642	Feb. 9, 1875	374	124	7	244
Plow, Sulky.....	J. Fay.....	161,770	Apr. 6, 1875	14	53	7	591
Plow, Sulky.....	R. R. Fenner.....	167,459	Aug. 31, 1875	980	304	8	370
Plow, Sulky.....	G. Moor.....	170,487	Nov. 30, 1875	1160	365	8	920
Plow, Sulky.....	G. Moore.....	164,929	June 29, 1875	1056	340	7	1106
Plow, Sulky.....	O. Osborn.....	162,942	May 4, 1875	191	63	7	772
Plow, Sulky.....	W. B. Quick.....	160,280	Mar. 2, 1875	21	9	7	352
Plow, Sulky.....	H. Richardson.....	171,427	Dec. 21, 1875	752	247	8	1065
Plow, Sulky.....	E. Robertson.....	161,440	Mar. 30, 1875	1134	366	7	545
Plow, Sulky.....	E. W. Russell.....	167,471	Sept. 7, 1875	81	25	8	418
Plow, Sulky.....	L. W. True.....	162,126	Apr. 13, 1875	481	158	7	645
Plow, Sulky.....	S. F. Woodworth.....	168,505	Oct. 11, 1875	278	90	8	611
Plow sulky attachment.....	G. Van Winkle.....	159,779	Feb. 16, 1875	525	175	7	270
Plow, Swivel.....	J. Hapgood.....	163,589	May 25, 1875	841	265	7	888
Plow, Vineyard.....	M. Ress.....	163,258	July 6, 1875	107	32	8	23
Plow-wheel.....	I. Allen.....	161,193	Mar. 23, 1875	879	288	7	494
Plow, Wheel.....	J. Flow.....	167,887	Sept. 21, 1875	481	152	8	490
Plow, Wheel.....	J. Keys and J. R. De Mier.....	163,595	May 23, 1875	847	267	7	888
Plow, Wheel.....	P. Prawl and F. H. Wemple.....	158,735	Jan. 12, 1875	353	120	7	74
Plowing and seeding machine.....	D. McVaw.....	170,754	Dec. 7, 1875	92	29	8	963
Plowshares and blanks therefor, Die for upsetting the ends of.....	W. M. Watson.....	169,213	Oct. 26, 1875	865	282	8	710
Pneumatic dispatch apparatus.....	O. E. Dowd.....	163,366	May 18, 1875	620	198	7	852
Pneumatic engine.....	P. M. Connolly.....	164,809	June 22, 1875	923	299	7	1022
Pneumatic machine.....	G. A. Hagermann.....	165,569	July 13, 1875	430	130	8	76
Pocket-book.....	C. Arms.....	163,654	July 20, 1875	524	160	8	105
Pocket-book.....	C. Lieb.....	158,955	Jan. 19, 1875	583	194	7	119
Pocket-book.....	S. Lyon.....	167,916	Sept. 21, 1875	502	159	8	491
Pocket-book.....	D. K. Osborn.....	169,470	Nov. 2, 1875	135	44	8	753
Pocket-book.....	G. Strauss.....	160,126	Feb. 23, 1875	856	283	7	322
Pocket-book clasp.....	L. Messer.....	165,110	June 23, 1875	1210	399	7	1127
Pocket-book fastener.....	L. Pral ar.....	167,931	Sept. 21, 1875	512	163	8	495
Pocket-book fastening.....	L. Messer.....	163,794	May 25, 1875	1013	321	7	911
Pocket-book fastening.....	M. Rubens.....	161,159	Mar. 23, 1875	852	278	7	491
Pocket-book frame.....	B. M. J. Blank.....	115,223	July 6, 1875	61	17	8	17
Pocket-book lock.....	B. M. J. Blank.....	161,094	Mar. 23, 1875	794	260	7	483
Pocket-book lock.....	J. Hannan and S. Bendit.....	167,663	Sept. 14, 1875	262	82	8	450
Pocket-book lock.....	F. Kinn.....	165,239	July 6, 1875	90	27	8	21
Pocket-book safety attachment.....	G. S. Knapp.....	163,017	May 11, 1875	278	90	7	791
Pocket-book safety attachment.....	T. Potter.....	165,264	July 20, 1875	726	221	8	132
Pocket-book safety attachment.....	E. G. Wheeler.....	160,630	Mar. 9, 1875	345	117	7	407
Pocket-fastening.....	D. Neusfadder.....	162,300	Apr. 20, 1875	656	214	7	675
Pocket-knife.....	C. P. Benedict.....	162,265	Apr. 20, 1875	628	204	7	671

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Pocket-knife, Revolving	W. Stanforth	159, 276	Feb. 2, 1875	39	14	7	190
Pocket-knives, Die for manufacturing bolsters for	W. H. and G. W. Miller	164, 320	June 8, 1875	456	151	7	1003
Pocket, Safety	J. C. Iden	161, 617	Apr. 6, 1875	24	10	7	572
Pocket safety attachment	D. Goldy	171, 372	Dec. 21, 1875	699	230	8	1659
Pocket-tool	F. R. Woodward	159, 134	Jan. 26, 1875	767	252	7	151
Poison, Vessel for containing	W. M. Caterson	164, 265	June 8, 1875	403	135	7	926
Poke, Animal	S. N. Gustin	167, 097	Aug. 24, 1875	899	280	8	351
Poke, Animal	J. F. Palmer	163, 240	May 11, 1875	484	157	7	817
Poke, Animal	H. Waton	169, 908	Aug. 17, 1875	700	217	8	315
Poke, Bow for animal	E. G. Beckwith and G. R. Brown	170, 511	Nov. 30, 1875	1184	373	8	923
Poker and tongs, Combined	I. J. Conklin	160, 606	Feb. 23, 1875	756	250	7	308
Poker and tongs, Combined	J. C. Libe	162, 080	Apr. 13, 1875	455	145	7	640
Pole and shaft, Vehicle	G. W. Eddy	168, 464	Oct. 5, 1875	127	44	8	583
Pole-bending machine, Carriage	A. G. Snyder	163, 827	July 20, 1875	745	228	8	135
Pole-cap blanks, Roll for rolling	W. J. Lewis	169, 646	Nov. 9, 1875	326	103	8	785
Pole, Folding and sliding ten-foot	S. W. Blatchly	164, 133	June 8, 1875	281	96	7	990
Pole tip, Vehicle	E. Grimshaw and W. F. Osgood	163, 768	May 25, 1875	991	314	7	907
Poles, Iron tip for vehicle	J. A. Ellis	159, 593	Feb. 9, 1875	261	85	7	228
Polishing and grinding wheels, Elastic clamp for	B. Bamister, J. C. Perkins, and W. H. Stoddard	158, 617	Jan. 12, 1875	251	85	7	59
Polishing-machine	B. E. Sperry	167, 858	Sept. 21, 1875	457	144	8	486
Polishing-machine feeding device	J. A. Dayton	165, 074	June 29, 1875	1177	379	7	1123
Polishing or sad iron	W. B. Sanders	164, 597	June 15, 1875	715	233	7	1047
Polishing-wheel	H. Hard	164, 732	June 22, 1875	852	276	7	1073
Portable boiler	G. F. Johnson and D. Wilde	164, 564	June 15, 1875	688	223	7	1042
Portable engine	J. Uhr	168, 117	Sept. 28, 1875	711	224	8	529
Portable-engine boiler	J. Enright	165, 810	July 20, 1875	668	204 205	8	125
Portable-engine carriage	C. M. Miller	165, 854	July 20, 1875	716	218	8	131
Portable furnace	E. H. Lord and B. D. Evans	164, 312	June 8, 1875	448	148	7	1092
Portable steam-engine	M. McKaig and W. J. Muncester	166, 541	Aug. 10, 1875	345	106	8	276
Portfolio	J. W. Eastwood	161, 872	Apr. 13, 1875	261	87	7	618
Portfolio-stand	D. J. Stein	167, 384	Sept. 7, 1875	182	56	8	431
Post:							
<i>See</i> Fence-post.	Rudder-post.						
Iron post.							
Post-hole borer	O. Love	166, 392	Aug. 3, 1875	195	58	8	921
Post-hole digger	W. M. Ryan	158, 609	Jan. 12, 1875	243	82	7	58
Posts, Metal cap for	J. Favenport	164, 979	June 29, 1875	1096	353	7	1112
Postal card	A. Petersohn	163, 520	May 18, 1875	767	243	7	870
Pot:							
<i>See</i> Boiling-pot.	Marking-pot.						
Coffee-pot.	Sheet-metal pot.						
Dental pot.	Stove fire-pot.						
Engine dash-pot.	Tea-pot.						
Flower-pot.	Tea and coffee pot.						
Globe-pot.							
Pot and kettle	D. M. McLean	162, 847	May 4, 1875	100	33	7	760
Pot-lid	A. E. Colgrove	160, 163	Feb. 23, 1875	889	293	7	327
Pot-lid	L. W. Turner	168, 356	Oct. 5, 1875	33	13	8	569
Potato-digger	W. E. Babcock	167, 148	Aug. 31, 1875	967	301	8	369
Potato-digger	D. Botsford	167, 296	Aug. 31, 1875	1094	343	8	386
Potato-digger	L. A. Brockett	158, 898	Jan. 19, 1875	526	176	7	112
Potato-digger	G. W. Haag	165, 566	July 13, 1875	426	129	8	76
Potato-digger	R. Haydermann and A. Klunkmann	171, 224	Dec. 21, 1875	570	187	8	1041
Potato-digger	H. W. King	161, 520	Mar. 30, 1875	1216	391	7	546
Potato-digger	M. W. Knox	160, 776	Mar. 16, 1875	504	164	7	435
Potato-digger	J. H. Louch	165, 342	July 6, 1875	181	55	8	34
Potato-digger	W. P. Martyn	170, 387	Nov. 23, 1875	1052	330	8	896
Potato-digger	J. J. McKinnon	162, 489	Apr. 27, 1875	862	277	7	709
Potato-digger	D. J. Ronsh	169, 483	Nov. 2, 1875	145	47	8	754
Potato-digger	N. Rung	170, 452	Nov. 30, 1875	1126	355	8	915
Potato-digger	E. Vanderveer, jr	164, 236	June 8, 1875	374	127	7	992
Potato-digger	O. F. Warren	169, 870	Nov. 9, 1875	552	173	8	813
Potato-digger	T. Head	169, 593	Mar. 9, 1875	314	106	7	492
Potato-digger	G. H. Zane	168, 702	Oct. 11, 1875	373	122	8	625
Potato-digger	G. H. Zane and S. A. Kennedy	169, 395	Nov. 2, 1875	71	21	8	744
Potato-dropper	A. J. Davis	161, 011	Mar. 23, 1875	713	235	7	473
Potato-masher	R. Crane, jr	171, 663	Dec. 28, 1875	932	305	8	149
Pottery-ware dishes	J. Moses	160, 539	Mar. 9, 1875	368	91	7	396
Pouneing-block	H. G. Disbrow	160, 733	Mar. 16, 1875	479	156	7	432
Powder:							
<i>See</i> Ink-powder.	Insect-powder.						
Powder and shot charger	T. Hick and G. W. Weatherwax	163, 196	May 11, 1875	446	144	7	812
Powder-can	F. Egge	171, 364	Dec. 21, 1875	692	223	8	1058
Power:							
<i>See</i> Animal-power.	Motive-power.						
Cotton-gin power.	Spring-power.						
Horse-power.	Tide-power.						
Level power.	Wave-power.						
Mechanical power.	Wind-power.						
Power, Chain and wheel for transmitting	J. H. Whitney	163, 832	May 25, 1875	1046	331	7	915
Power, Device for transmitting	G. J. Tschell	163, 281	May 11, 1875	525	170	7	823
Power, Device for transmitting	J. W. Wedcraft	168, 701	Oct. 11, 1875	372	122	8	625
Power-press	J. E. Coffin	165, 306	July 6, 1875	147	45	8	29
Power-press	B. G. Martin	170, 179	Nov. 23, 1875	867	271	8	71
Power-press	A. H. Merriman	170, 101	Nov. 16, 1875	771	244	8	851
Power regulator, Spring	O. Collier	167, 435	Sept. 7, 1875	51	15	8	413
Preserve-can holder	C. D. How	166, 380	Aug. 3, 1875	182	55	8	224
Preserved fruit, Preparing	J. F. Bassford	170, 760	Dec. 7, 1875	43	.....	8	956
Preserver, Food	C. Brown	164, 961	June 29, 1875	1084	349	7	1110
Preserving-apparatus	J. P. Schmitz	160, 472	Mar. 2, 1875	192	66	7	376
Preserving-can top	T. H. Hamilton	163, 484	May 18, 1875	727	231	7	866
Preserving effervescent liquids	J. G. L. Boettcher	164, 797	June 22, 1875	967	295	7	1081

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Preserving fish, Compound for.....	H. Sellmann, H. Reessing, and J. Wolff.	166, 308	Aug. 3, 1875	114	.....	8	215
Preserving food, Composition for.....	H. Gahn.....	161, 944	Apr. 13, 1875	324	.....	7	626
Preserving food, Process of.....	D. Snedeker.....	161, 072	Mar. 23, 1875	768	.....	7	480
Preserving fruit, Process for.....	P. H. L. Sacc.....	169, 591	Nov. 2, 1875	254	.....	7	768
Preserving jar, Fruit.....	T. J. Price.....	171, 644	Dec. 14, 1875	364	121	8	1006
Preserving meat.....	E. A. Duncan.....	162, 539	Apr. 27, 1875	904	.....	7	714
Preserving meat.....	F. H. L. Sacc.....	169, 592	Nov. 2, 1875	254	.....	7	768
Preserving meat.....	F. H. L. C. Sacc.....	169, 649	Nov. 9, 1875	533	.....	7	811
Preserving meat, fish, and vegetables, Apparatus for.....	A. H. Tait.....	162, 119	Apr. 13, 1875	476	157	7	645
Preserving meat, Process of.....	J. A. Wilson.....	168, 073	Sept. 21, 1875	655	.....	7	515
Press:							
<i>See</i> Baling-press. Hay-press.							
Brick-press. Hay and cotton press.							
Brick and soap press. Hay and straw press.							
Broom-press. Hay, cotton, and wool press.							
Cheese-press. Hydraulic press.							
Cider-press. Jelly-press.							
Cider and wine press. Jeweler's screw-press.							
Cigar-press. Lard and cheese press.							
Cigar-mold press. Lemon-press.							
Clay-press. Lever-press.							
Cloth-press. Lever and toggle press.							
Coal-agglomerating press. Lithographic press.							
Copying-press. Oil-press.							
Cotton-press. Oil and other press.							
Cotton and hay press. P. rfecting-press.							
Cotton-bale press. Power-press.							
Counter-press. Printing-press.							
Cutting and punching press. Punch-press.							
Drop-press. Punching-press.							
Fruit-press. Rotary press.							
Fruit and jelly press. Screw-press.							
Glass-press. Screw and toggle-lever press.							
Harness-pad press. Soap-press.							
Press.....	G. B. Boomer.....	170, 467	Nov. 30, 1875	1141	{ 359 } { 360 }	8	917
Press.....	A. W. Harrington.....	165, 327	July 6, 1875	168	51	8	32
Press.....	C. H. Hersey.....	171, 282	Dec. 21, 1875	621	204	8	1048
Press.....	T. J. Jenne.....	160, 200	Feb. 23, 1875	918	302	7	331
Press.....	J. P. Keenan.....	165, 491	July 13, 1875	269	166	8	65
Press.....	G. H. Reynolds.....	169, 588	Nov. 2, 1875	248	81	8	768
Press.....	C. S. Swan.....	160, 626	Mar. 9, 1875	342	116	7	407
Press.....	E. Van Gosen.....	164, 237	June 8, 1875	375	127	7	992
Presser-feet to bars, Device for attaching.....	J. J. Schneider.....	158, 744	Jan. 12, 1875	360	123	7	75
Pressing, stowing, &c., jack.....	T. J. Allen.....	169, 319	Oct. 26, 1875	972	315	8	724
Pressure-gage.....	J. Powers.....	171, 317	Dec. 21, 1875	651	213	8	1052
Pressure-gage and heat-regulator, Combined.....	T. Van Kannel and L. D. Towsley.....	169, 745	Nov. 9, 1875	429	136	8	798
Pressure-gage, Steam.....	J. Burden.....	170, 706	Dec. 7, 1875	49	14, 15	8	957
Pressure-regulator.....	J. Taylor.....	168, 807	Oct. 11, 1875	466	152	8	638
Pressure-regulator, Water-pipe.....	F. Steele.....	166, 567	Aug. 10, 1875	369	113	8	259
Pressure-regulator with dash-pots.....	P. Ball and B. Pitts.....	163, 721	May 25, 1875	952	302	7	902
Pressure-regulator with safety-valve.....	P. Ball and E. Fitts.....	163, 720	May 25, 1875	950	302	7	902
Price-indicator.....	F. Sumpl.....	163, 542	May 18, 1875	784	248	7	873
Printed sheets, Machine for calendering.....	H. J. Gill.....	163, 180	May 11, 1875	429	140	7	811
Printed sheets, Machine for calendering.....	G. and W. Kivlan and G. Wood.....	161, 242	Mar. 23, 1875	929	303	7	501
Printer's galley.....	A. T. DePuy.....	160, 654	Mar. 9, 1875	967	121	7	410
Printer's galley.....	H. H. McWilliams.....	163, 677	May 23, 1875	314	290	7	897
Printer's inking-rolls, Varnish or coating for.....	B. F. Allen.....	162, 514	Apr. 27, 1875	833	.....	7	712
Printer's lead and rule cutter.....	J. A. Stanton.....	163, 540	May 18, 1875	782	249	7	872
Printer's lead and rule, Machine for mitering.....	H. W. Honley.....	169, 638	Nov. 9, 1875	318	101	8	784
Printer's lead-cutting machine.....	W. Hawkins and W. F. Dedge.....	163, 998	June 1, 1875	133	47	7	949
Printer's lead-cutting machine.....	J. A. T. Overend.....	165, 859	July 20, 1875	721	220	8	131
Printer's lead-cutting machine.....	H. J. Stone.....	171, 248	Dec. 21, 1875	592	194	8	1044
Printer's leads, Device for manufacturing.....	L. W. Tracy.....	165, 387	July 6, 1875	232	70	8	40
Printer's quoin.....	B. F. Allen.....	158, 351	Jan. 5, 1875	1	1	7	9
Printer's quoin.....	A. J. O'Shea.....	167, 780	Sept. 14, 1875	371	118	8	466
Printer's rollers, Machine for washing.....	T. Muir.....	163, 097	May 11, 1875	353	115	7	801
Printer's shooting-stick.....	J. H. Frey.....	158, 792	Jan. 19, 1875	427	142	7	59
Printer's side-stick and quoin.....	W. Gilbert.....	164, 543	June 15, 1875	669	217	7	1040
Printing in colors, Process for.....	W. H. Holmes.....	164, 647	June 22, 1875	774	.....	7	1063
Printing instrument, Electro-mechanical.....	H. R. M. J. Hansen and C. P. Jurgensen.....	163, 190	May 11, 1875	438	142	7	812
Printing, Letter-press map.....	C. H. Waite.....	158, 611	Jan. 12, 1875	244	82	7	58
Printing machine, Block.....	F. Walton.....	167, 223	Aug. 31, 1875	1081	{ 338 } { 339 } { 340 }	8	384
Printing machine, Spool.....	I. and G. Dimock.....	159, 651	Feb. 9, 1875	382	127	7	245
Printing machine, Ticket.....	J. Anderson.....	159, 223	Feb. 2, 1875	45	17	7	191
Printing on glass, Elastic underlay for.....	J. L. Wells.....	170, 136	Nov. 16, 1875	801	253	8	855
Printing, Preparing plates for.....	A. F. Eckhardt.....	167, 158	Aug. 31, 1875	979	.....	8	370
Printing-press.....	J. Cook and W. Fosket.....	166, 675	Aug. 10, 1875	463	143	8	273
Printing-press.....	C. B. Cottrell.....	167, 227	Aug. 31, 1875	1036	{ 321 } { 322 }	8	578
Printing-press.....	F. W. Griffith and G. P. Byrne.....	168, 635	Oct. 11, 1875	318	{ 103 } { 104 }	8	617
Printing-press.....	W. E. Gump.....	159, 819	Feb. 16, 1875	562	187	7	274
Printing-press.....	J. Hincheliff.....	162, 650	Apr. 27, 1875	997	320	7	736
Printing-press.....	R. M. Hoe.....	162, 651	Apr. 27, 1875	998	320	7	726
Printing-press.....	R. M. Hoe.....	162, 652	Apr. 27, 1875	999	321	7	726
Printing-press.....	W. P. Kidder.....	160, 333	Mar. 2, 1875	68	24	7	358
Printing-press.....	J. C. Mac Donald and J. Calverley.....	168, 511	Oct. 5, 1875	173	56	8	589

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Printing-press.....	M. A. Pendleton.....	165, 611	July 13, 1875	466	143	8	81
Printing-press.....	A. E. Redstone.....	167, 787	Sept. 14, 1875	376	150	7	466
Printing-press.....	C. Wells.....	164, 499	June 15, 1875	634	505	7	1035
Printing-press.....	C. Wells.....	169, 321	Oct. 26, 1875	974	316	6	724
Printing-press.....	W. F. Wymann.....	167, 379	Aug. 31, 1875	1168	368	8	397
Printing-press delivering apparatus.....	J. W. Kellberg.....	167, 840	Sept. 21, 1875	437	139	8	437
Printing-press delivering apparatus.....	J. W. Kellberg.....	167, 841	Sept. 21, 1875	438	140	8	484
Printing-press delivering apparatus.....	T. J. Mayall and R. W. Hartnett.....	159, 947	Feb. 16, 1875	679	225	7	290
Printing-press delivery mechanism.....	C. B. Coitrell.....	170, 061	Nov. 16, 1875	730	232	8	846
Printing-press feed-gage.....	S. D. Tucker.....	168, 685	Oct. 11, 1875	357	117	8	623
Printing-press feed-gage.....	S. D. Tucker.....	168, 686	Oct. 11, 1875	358	117	8	624
Printing-press feed-gage.....	J. Turner.....	162, 207	Apr. 20, 1875	571	187	7	663
Printing-press feed-guide.....	E. L. Megill.....	161, 049	Mar. 23, 1875	746	246	7	477
Printing-press feed-guide.....	J. Reed.....	166, 410	Aug. 3, 1875	213	64	8	229
Printing-press for dating letters and canceling stamps, Rotary.....	T. G. Palmer and H. F. Clark.....	160, 947	Mar. 16, 1875	650	212	7	455
Printing-press inking apparatus.....	C. Potter, jr., and J. F. Hubbard.....	171, 243	Dec. 21, 1875	587	192	8	1043
Printing-press, Oscillating.....	J. L. De Huff.....	169, 526	Nov. 2, 1875	182	61, 62	8	760
Printing-press, Oscillating.....	W. C. Evans.....	169, 532	Nov. 2, 1875	186	63	8	760
Printing-press, Oscillating.....	J. Watson and J. L. De Huff.....	169, 605	Nov. 2, 1875	365	86, 87	8	770
Printing-press perforating attachment.....	J. C. Forman.....	170, 724	Dec. 7, 1875	63	19, 20	8	959
Printing press, Plate.....	R. Neale.....	162, 677	Apr. 27, 1875	1028	328, 329	7	729
Printing press, Plate.....	J. Wilson.....	161, 370	Mar. 30, 1875	1068	347	7	527
Printing-press registering apparatus.....	S. Scholfeld and C. E. Baker.....	171, 534	Dec. 28, 1875	868	284	8	1090
Printing press, Rotary.....	C. Kahler.....	165, 838	July 20, 1875	701	213	8	128
Printing-press sheet-delivery apparatus.....	A. E. Sardo.....	171, 178	Dec. 14, 1875	496	164	8	1023
Printing-presses, Feed-gage for distributing rollers of.....	C. Porter, jr., and J. F. Hubbard.....	169, 191	Oct. 26, 1875	849	277	8	708
Printing-presses, Feed-gage for cylinder.....	H. Barth.....	162, 993	May 11, 1875	258	83	7	789
Printing-presses, Guide-roller for web.....	J. W. Kellberg.....	163, 207	May 11, 1875	455	147	7	814
Printing-presses, &c., Treadle mechanism for.....	G. W. Pronty.....	164, 212	June 8, 1875	349	119, 120	7	989
Printing, Process of preparing gelatine plates for.....	E. Edwards.....	159, 166	Jan. 26, 1875	794	.....	7	155
Printing, Process of producing gelatine relief-plates for.....	W. H. Mummel.....	163, 514	May 18, 1875	758	.....	7	869
Printing, Process of producing plates for.....	L. H. Miller.....	164, 581	June 15, 1875	702	.....	7	1045
Printing, &c., relief-plate.....	B. B. Hunteon.....	163, 204	May 11, 1875	453	.....	7	813
Printing surfaces.....	J. Friedlaender and P. K. Moeller.....	160, 177	Feb. 23, 1875	899	.....	7	328
Prism.....	A. K. Eaton.....	160, 756	Mar. 16, 1875	483	157	7	433
Prison, &c., alarm.....	J. B. Cook and J. W. Heath.....	162, 971	Oct. 19, 1875	627	208	8	670
Prison-doors, Operating.....	R. Richter.....	170, 400	Nov. 23, 1875	1065	335	8	898
Prisons, Construction of.....	J. B. Cook and J. W. Heath.....	168, 232	Sept. 28, 1875	814	258, 259	8	544
Prisons, Construction of.....	J. B. Cook and J. W. Heath.....	168, 455	Oct. 5, 1875	119	41	8	582
Prisons, Construction of.....	A. B. Mullett.....	158, 966	Jan. 19, 1875	592	196, 197	7	120
Prisons, &c., Ventilating.....	P. Mihan.....	171, 033	Dec. 14, 1875	355	118	8	1005
Privy.....	G. Schumacher.....	170, 967	Dec. 14, 1875	301	100	8	988
Privy-vaults, Machine for cleaning.....	S. R. Scharf.....	158, 743	Jan. 12, 1875	359	122	7	74
Projectile for rifled ordnance.....	W. H. Van Gieson.....	161, 579	Mar. 30, 1875	1271	409	7	553
Projectile, Ordnance.....	C. Arrick.....	160, 071	Feb. 23, 1875	813	267	7	315
Projectile, Ordnance.....	J. G. Butler.....	160, 569	Mar. 9, 1875	293	99	7	400
Projectile, Ordnance.....	J. G. Butler.....	168, 447	Oct. 5, 1875	112	38	8	581
Projectile, Ordnance.....	H. Reilly.....	165, 255	July 6, 1875	103	31	8	263
Projectile-sabot.....	J. G. Butler.....	168, 318	Oct. 5, 1875	4	2	8	525
Projectiles, Method of attaching rings to.....	J. Vavasseur.....	160, 855	Mar. 16, 1875	568	185	7	444
Propeller blade, Screw.....	J. H. Loftus.....	160, 212	Feb. 23, 1875	921	305	7	332
Propeller, Chain.....	E. R. Austin.....	164, 633	June 22, 1875	750	249	7	1061
Propeller, Chain.....	D. C. Johnson.....	159, 330	Feb. 2, 1875	85	28	7	195
Propeller, Chain.....	C. Smith.....	161, 170	Mar. 23, 1875	861	281	7	492
Propeller, Endless chain.....	E. E. Everitt.....	160, 890	Mar. 16, 1875	509	195	7	448
Propeller engine, Twin-screw.....	G. B. Whiting.....	171, 074	Dec. 14, 1875	305	131	8	1010
Propeller guard, Screw.....	H. G. Wagner.....	170, 608	Nov. 30, 1875	1277	402	8	935
Propeller, Screw.....	J. C. Browne.....	162, 619	Apr. 27, 1875	960	311	7	722
Propeller, Screw.....	L. C. and G. F. Cary.....	166, 498	Aug. 10, 1875	313	94	8	251
Propeller, Screw.....	H. G. Cook and E. W. Barker.....	170, 917	Dec. 14, 1875	267	80	8	993
Propeller, Screw.....	J. Harrington.....	162, 063	Apr. 13, 1875	432	141	7	638
Propeller, Screw.....	J. Kelly.....	164, 305	June 8, 1875	442	146	7	1001
Propeller, Screw.....	N. A. Patterson.....	170, 893	Dec. 7, 1875	309	72, 73	8	979
Propeller, Screw.....	E. B. Porter.....	158, 734	Jan. 12, 1875	353	120	7	73
Propeller, Screw.....	J. I. Thornycroft.....	167, 136	Aug. 24, 1875	932	290	8	556
Propeller, Steering.....	W. H. Mallory.....	162, 396	Apr. 20, 1875	72	244	7	686
Propeller, Steering.....	W. F. Zoehlo.....	163, 716	May 25, 1875	947	301	7	901
Propeller, Vessel.....	F. Jacob.....	167, 539	Sept. 7, 1875	141	43	8	426
Propeller, Vibrating.....	J. D. Cornell.....	170, 993	Dec. 14, 1875	325	108	8	1067
Propeller-wheel.....	N. A. Patterson.....	169, 287	Oct. 26, 1875	938	304, 305	8	720
Propeller-wheels, Flask for casting.....	R. B. Swift and T. J. List.....	165, 039	June 29, 1875	1144	369, 370	7	1118
Propellers, Lubricating device for marine.....	F. G. Fowler.....	158, 791	Jan. 19, 1875	426	142	7	99
Propellers, Means for raising and lowering.....	J. W. Dilks.....	168, 380	Oct. 5, 1875	54	19	8	572
Propelling and steering apparatus, Vessel.....	J. Dorman and T. G. Good.....	162, 156	Apr. 20, 1875	524	173	7	659
Propelling canal boats.....	A. Bugebee.....	167, 641	Sept. 14, 1875	245	76	8	447
Propelling machine.....	J. J. Flack.....	167, 517	Sept. 7, 1875	122	37	8	423
Propelling mechanism, Boat.....	W. Ascough.....	166, 839	Aug. 17, 1875	632	186, 197	8	306
Propelling mechanism, Boat.....	T. W. Pratt.....	164, 033	June 1, 1875	167	59	7	924
Propelling mechanism, Canal-boat.....	L. W. McKenney.....	167, 553	Sept. 7, 1875	153	47	8	458
Propelling wheel for canal-boats.....	G. Heydrick.....	158, 414	Jan. 5, 1875	55	19	7	17
Propulsion, Screw.....	J. E. Wilson.....	169, 754	Nov. 9, 1875	436	138	8	860
Protector: See Axle-protector. Boot and shoe toe pro- Book-cover protector. tector. Boot and shoe strap pro- Explosive-cap protector. tector. Gas-jet protector.							

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<i>See</i> Heel-protector.	Sight-protector.						
Horse-tail protector.	Skirt-protector.						
Plant-protector.	Sleeve-protector.						
Railway-rail-joint protector.	Teeth-protector.						
Tree-protector.							
Protractor .....	A. H. Dodd .....	161, 392	Mar. 30, 1875	1092	355	7	530
Protractor .....	A. Swasey .....	165, 519	July 13, 1875	384	114	8	69
Pruning implement .....	C. B. Cannon .....	161, 381	Mar. 30, 1875	1083	351	7	528
Pruning implement .....	W. Carr .....	167, 154	Aug. 31, 1875	975	303	8	369
Pruning implement .....	G. H. Henkel and W. C. Ward .....	169, 359	Nov. 2, 1875	37	11	8	740
Pruning implement .....	C. Miller .....	160, 454	Mar. 2, 1875	178	62	7	374
Pruning shears .....	C. H. Billings .....	160, 563	Mar. 9, 1875	289	98	7	399
Pruning shears .....	J. Chase .....	160, 392	Mar. 2, 1875	118	43	7	366
Pruning shears .....	W. H. Johnson .....	160, 102	Feb. 23, 1875	836	275	7	319
Pruning shears .....	W. H. Johnson .....	166, 103	Feb. 23, 1875	837	275	7	319
Pruning shears, Manufacture of .....	S. S. Miles .....	164, 579	June 15, 1875	700	228	7	1045
Psychrometer .....	W. Klinkerfues .....	168, 505	Oct. 5, 1875	166	54	8	588
Puddler, Revolving .....	W. and G. H. Sellers .....	159, 849	Feb. 16, 1875	588	195	7	278
Puddling-furnace .....	H. Ragot .....	159, 040	Jan. 28, 1875	686	226	7	143
Puddling-furnace .....	C. J. Schofield .....	169, 047	Oct. 19, 1875	700	231	8	679
Puddling-furnace .....	E. Wood .....	161, 317	Mar. 23, 1875	1006	328	7	511
Puddling-furnace bottom-plate .....	S. Dallar .....	170, 529	Nov. 30, 1875	1198	378	8	925
Puddling-furnace chill .....	J. L. Pennoek .....	161, 268	Mar. 23, 1875	959	312	7	504
Puddling-furnace door .....	J. Boyland .....	170, 225	Nov. 23, 1875	908	283	8	876
Puddling-furnace, Inclined revolving .....	C. Pernet .....	169, 633	Oct. 19, 1875	686	226	8	677
Puddling-furnace, Tilting and revolving .....	G. W. Hall .....	167, 241	Aug. 31, 1875	1047	325	8	379
Puddling-furnaces, Fire-chamber for .....	H. H. Gilmore .....	160, 180	Feb. 23, 1875	901	297	7	328
Puddling-furnaces, Water-bridge bosh for .....	J. C. Longland .....	161, 135	Mar. 23, 1875	833	272	7	488
Puller:							
<i>See</i> Cotton-stock puller.	Stump-puller.						
Seedlings-puller.							
Pulley .....	R. W. Betts and W. Howie .....	168, 708	Oct. 11, 1875	380	124	8	626
Pulley .....	A. H. Borgfeldt .....	159, 633	Feb. 9, 1875	366	122	7	213
Pulley, Band .....	J. Charlton .....	161, 204	Mar. 23, 1875	888	291	7	496
Pulley-block .....	J. Weir .....	158, 448	Jan. 5, 1875	83	29	7	121
Pulley-block .....	J. Weir .....	166, 167	July 27, 1875	1028	316	8	286
Pulley-block, Differential .....	B. F. Warren .....	159, 987	Feb. 16, 1875	717	278	7	295
Pulley-casting flask .....	W. Hutton .....	159, 097	Jan. 26, 1875	736	243	7	147
Pulley-cover .....	J. W. Sutton .....	166, 233	Aug. 3, 1875	44	14	8	205
Pulley, Differential .....	J. T. Tewkes .....	159, 400	Feb. 2, 1875	142	49	7	304
Pulley for shafting, Loose .....	C. H. Mellor .....	165, 852	July 20, 1875	715	217	8	130
Pulley, Friction .....	T. F. Carver .....	160, 570	Mar. 9, 1875	293	100	7	400
Pulley, Friction-clutch .....	D. Harrington .....	161, 119	Mar. 23, 1875	817	268	7	486
Pulley-grinding machine .....	A. Wood .....	164, 897	June 22, 1875	1095	324	8	1092
Pulley or gear-wheel .....	J. B. Mason .....	169, 114	Oct. 26, 1875	786	255	8	698
Pulley or gear-wheel, Reversing .....	H. W. Sherrill .....	161, 986	Apr. 13, 1875	357	120	7	630
Pulley, Sash .....	W. H. Bicknell .....	169, 766	Nov. 9, 1875	453	143	8	801
Pulley, Sash .....	C. B. Clark .....	163, 459	May 18, 1875	699	223	7	862
Pulley, Sash .....	J. Smith .....	167, 478	Sept. 7, 1875	85	27	8	418
Pulleys, Casting .....	J. Murdoch .....	166, 729	Aug. 17, 1875	599	185	8	301
Pulmonary diseases, Remedy for .....	J. O. Skemmons .....	171, 536	Dec. 23, 1875	871	271	8	1090
Pulverizer, Clay .....	D. Reedy .....	160, 618	Mar. 9, 1875	336	113	7	466
Pulverizer, Laid .....	A. Underwood .....	160, 129	Feb. 23, 1875	858	284	7	322
Pump .....	E. F. Adsett .....	164, 536	June 15, 1875	639	207	7	1035
Pump .....	S. Arndt and W. S. Ayres .....	164, 631	June 22, 1875	757	249	7	1061
Pump .....	J. S. Ash .....	160, 742	Mar. 16, 1875	465	153	7	431
Pump .....	W. Barcus .....	171, 515	Dec. 24, 1875	878	287	8	1091
Pump .....	A. A. Burr .....	159, 152	Jan. 26, 1875	783	257	7	154
Pump .....	T. Butler .....	166, 497	Aug. 10, 1875	312	94	8	251
Pump .....	W. H. Conner .....	164, 147	June 8, 1875	292	100	7	981
Pump .....	M. Cook .....	162, 532	Apr. 27, 1875	900	287	7	713
Pump .....	T. Dowling .....	167, 881	Sept. 21, 1875	475	150	8	489
Pump .....	L. Goodwin and S. A. West .....	158, 372	Jan. 5, 1875	19	7	7	11
Pump .....	D. J. Gorton .....	163, 566	May 25, 1875	989	314	7	907
Pump .....	J. Grzybowski .....	165, 925	July 27, 1875	796	244	8	154
Pump .....	G. W. Hooper .....	159, 576	Feb. 9, 1875	325	107	7	237
Pump .....	A. and M. Knecht .....	166, 786	Aug. 17, 1875	586	181	8	299
Pump .....	W. S. Lancy .....	169, 999	Nov. 16, 1875	673	212	8	838
Pump .....	E. D. Leavitt, jr. .....	163, 018	May 11, 1875	279	90	7	791
Pump .....	W. McBurnard .....	170, 600	Dec. 7, 1875	95	8	8	954
Pump .....	R. A. McCaulley .....	162, 181	Apr. 20, 1875	549	180	7	662
Pump .....	E. McCoy and O. M. Harper .....	162, 402	Apr. 20, 1875	758	246	7	687
Pump .....	E. McDermott .....	165, 241	July 6, 1875	95	28	8	32
Pump .....	A. N. Parkhurst .....	163, 518	May 18, 1875	765	242	7	870
Pump .....	S. B. Strong .....	165, 629	July 13, 1875	487	148	8	84
Pump .....	C. O. Sylvester .....	159, 470	Feb. 2, 1875	217	70	7	214
Pump .....	H. Tyler .....	167, 366	Aug. 31, 1875	1156	364	8	395
Pump .....	W. Young .....	168, 952	Oct. 19, 1875	609	202	8	667
Pump, Air .....	G. E. Barker .....	162, 264	Apr. 20, 1875	627	204	7	671
Pump, Air .....	W. H. Bowers .....	162, 021	Apr. 13, 1875	383	129	7	623
Pump, Air .....	J. H. Ellis .....	168, 888	Oct. 19, 1875	542	179	8	658
Pump, Air .....	C. F. Mott and J. H. Altheide .....	168, 842	Oct. 19, 1875	508	167	8	653
Pump and engine, Rotary .....	R. Patrick .....	170, 448	Nov. 30, 1875	1123	353	8	915
Pump, Bilge .....	J. F. Smetchlis .....	165, 623	July 13, 1875	482	147	8	83
Pump-box .....	J. Dillon .....	169, 032	Oct. 26, 1875	766	249	8	695
Pump-box .....	W. A. Spooner .....	161, 561	Mar. 30, 1875	1256	405	7	551
Pump-bucket .....	E. J. Dunbar .....	169, 155	Oct. 26, 1875	821	266	8	704
Pump bucket, Chain .....	J. S. Beazell .....	166, 062	July 27, 1875	920	284	8	171
Pump bucket, Chain .....	W. Cooper .....	167, 990	Sept. 21, 1875	557	179	8	502
Pump bucket, Chain .....	A. L. Corey .....	160, 881	Mar. 16, 1875	592	192	7	447
Pump bucket, Chain .....	J. G. Henderson .....	161, 881	Apr. 13, 1875	270	90	7	619
Pump bucket, Chain .....	E. Hoyt .....	163, 013	May 11, 1875	276	89	7	721



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Pump bucket, Chain .....	W. H. Kelly.....	161,967	Apr. 13, 1875	342	115	7	628
Pump bucket, Chain .....	J. Neil.....	159,037	Jan. 26, 1875	684	225	7	140
Pump bucket, Chain .....	J. D. Shoots.....	158,534	Jan. 5, 1875	160	54	7	31
Pump bucket, Chain .....	D. F. Stow.....	160,125	Feb. 23, 1875	855	283	7	322
Pump bucket, Chain .....	J. B. Van Duzer and R. Johnston	170,211	Nov. 23, 1875	895	279	8	874
Pump bucket, Endless-chain .....	J. S. Manley.....	167,919	Sept. 21, 1875	504	160	8	493
Pump bucket, Sectional .....	G. W. Burr.....	160,812	Mar. 16, 1875	537	174	7	440
Pump buckets, Coupling for chain .....	N. D. Davis.....	170,824	Dec. 7, 1875	153	51	8	971
Pump, Centrifugal .....	L. Ch pman.....	162,743	May 4, 1875	8	3	7	748
Pump, Chain .....	C. Fishbaugh.....	163,859	June 1, 1875	22	7	7	933
Pump, Chain .....	C. Fishbaugh.....	163,860	June 1, 1875	23	7	7	933
Pump, Chain .....	C. L. Merrill.....	164,098	June 8, 1875	252	86	7	976
Pump, Chain .....	W. Welches.....	167,286	Aug. 31, 1875	1085	341	8	385
Pump-chain adjuster .....	J. B. Brown.....	165,207	July 6, 1875	64	18	6	17
Pump-cylinders, Lining .....	J. W. Douglas.....	158,768	Jan. 19, 1875	149	141	7	98
Pump, Deep-well .....	J. H. Duck.....	168,462	Oct. 5, 1875	126	43	8	583
Pump, Double-acting .....	L. Bonvier.....	171,080	Dec. 14, 1875	409	136	8	1012
Pump, Double-acting .....	C. Gordon.....	163,727	July 20, 1875	587	180	8	114
Pump, Double-acting .....	H. Van Doren.....	171,592	Dec. 28, 1875	923	302	8	1090
Pump, Double-acting submerged .....	G. G. Hartwick and E. Mark	160,096	Feb. 23, 1875	832	273	7	318
Pump, Driven-well .....	P. A. Spicer.....	170,124	Nov. 16, 1875	790	251	8	833
Pump, Expansion-bucket for chain .....	D. W. Witmer.....	170,926	Dec. 7, 1875	239	82	8	562
Pump for hydraulic presses .....	C. S. Starks.....	164,256	Apr. 20, 1875	618	201	7	670
Pump for raising heavy liquids .....	E. L. Perry.....	168,411	Oct. 5, 1875	83	28, 29	8	577
Pump, Force .....	F. W. Clarke.....	167,433	Sept. 7, 1875	49	15	8	413
Pump, Force .....	L. J. Knowles.....	160,207	Feb. 23, 1875	925	304	7	331
Pump, Force .....	W. C. Lihengood.....	168,307	Oct. 19, 1875	573	189	8	662
Pump, Force and suction .....	B. Branson.....	167,060	Aug. 24, 1875	861	268	8	346
Pump-governor .....	C. W. Mills.....	163,112	June 29, 1875	1212	300	7	1128
Pump-handle link .....	C. Adams.....	169,755	Nov. 9, 1875	437	138	8	870
Pump-handles, Attaching .....	O. E. Furber.....	169,900	Nov. 16, 1875	592	184	8	827
Pump or motor, Rotary .....	N. Upsham.....	160,974	Mar. 16, 1875	673	220	7	458
Pump-piston, Artesian-well .....	T. Malcolusso.....	166,304	Aug. 3, 1875	196	58	8	226
Pump piston or plunger, Force .....	G. W. Gilmore.....	171,475	Dec. 28, 1875	809	267	8	1022
Pump pitman-connection .....	J. M. Langley.....	161,371	Apr. 13, 1875	345	116	7	628
Pump-plunger .....	J. S. Engle.....	169,974	Nov. 16, 1875	633	204	8	833
Pump, Plunger .....	R. Hartley and J. B. Marshall	168,640	Oct. 11, 1875	323	105	8	618
Pump, Pneumatic .....	G. Westinghouse, jr.....	159,533	Feb. 9, 1875	295	95	7	232
Pump, Rotary .....	H. A. Barber.....	165,528	July 13, 1875	392	118	8	70
Pump, Rotary .....	G. S. Follonshee.....	158,480	Jan. 5, 1875	114	39	7	25
Pump, Rotary .....	W. Lyon.....	168,034	Sep. 21, 1875	606	194	8	569
Pump, Rotary .....	O. H. Whitcuy.....	167,374	Aug. 31, 1875	1164	367	8	396
Pump, Rotary force .....	A. Carlin.....	170,343	Nov. 23, 1875	1011	317	8	891
Pump, Sirup .....	L. J. Knowles.....	158,281	Jan. 5, 1875	25	9	7	12
Pump, Steam .....	J. McCormick and S. R. Kelley	170,008	Nov. 16, 1875	6-2	214	8	839
Pump, Steam .....	J. North.....	162,409	Apr. 20, 1875	765	248	7	628
Pump, Steam .....	J. Tesseyman.....	162,122	Apr. 13, 1875	478	168	7	645
Pump, Steam .....	F. Trump.....	158,447	Jan. 5, 1875	82	28	7	21
Pump, Steam and vacuum .....	O. Jackson.....	168,747	Oct. 11, 1875	415	135	8	631
Pump, Steam and vacuum .....	L. D. B. Shaw.....	170,968	Dec. 14, 1875	302	100	8	998
Pump-strainer .....	L. Blass.....	167,427	Sept. 7, 1875	46	13	8	412
Pump-sucker .....	J. M. Springer.....	160,065	Feb. 23, 1875	808	265	7	315
Pump-suction-pipe float .....	C. Meitzler and G. H. Haass	159,599	Feb. 9, 1875	342	114	7	240
Pump, Tubular-well .....	J. T. Whipple.....	166,048	July 27, 1875	908	281	8	170
Pump, Wood .....	A. Breed.....	163,914	July 27, 1875	781	239	8	153
Pumps, &c., Air-chamber for steam .....	L. J. Knowles.....	160,206	Feb. 23, 1875	921	304	7	331
Pumping engine, Steam .....	E. Cope and J. R. Maxwell	170,938	Dec. 14, 1875	267	80, 90	8	994
Pumping engine, Steam .....	C. H. Hudson.....	162,557	Apr. 27, 1875	919	295	7	716
Pumping wells, Means for .....	A. E. Nickerson and L. C. Stroeter	162,406	Apr. 20, 1875	763	247	7	688
Pumping wells, Means for .....	A. E. Nickerson and L. C. Stroeter	164,756	June 23, 1875	872	284	7	1076
Punch .....	E. J. Brooks.....	163,062	June 29, 1875	1165	375	7	1121
Punch, alarm, &c., Conductor's .....	G. J. Hill and A. Ruger	170,170	Nov. 23, 1875	859	269	8	870
Punch, Bell .....	H. E. Towle.....	158,195	Sept. 28, 1875	783	249	8	540
Punch, Conductor's .....	O. T. Hungerford.....	162,071	Apr. 13, 1875	428	143	7	639
Punch, Conductor's .....	H. Johnson.....	162,289	Apr. 20, 1875	645	211	7	674
Punch, Conductor's .....	C. H. Nye.....	165,683	July 20, 1875	549	167	8	108
Punch, Hydraulic .....	J. B. Barnes.....	167,975	Sept. 21, 1875	545	175	8	500
Punch, Metal .....	D. Kennedy.....	161,968	Apr. 13, 1875	342	115	7	628
Punch-press .....	A. H. Merriman.....	168,763	Oct. 11, 1875	428	140	8	633
Punches, Means for holding conductor's .....	T. B. Doolittle.....	166,858	Aug. 17, 1875	634	203	8	309
Punching boiler-plates, Machine for .....	J. Morgan.....	167,461	Sept. 7, 1875	71	22	8	416
Punching-machine .....	C. A. Cornan.....	163,579	May 25, 1875	829	262	7	846
Punching-machine .....	C. Norton.....	166,134	July 27, 1875	994	307	8	182
Punching-machine .....	J. B. Sexton.....	160,474	Mar. 2, 1875	194	67	7	376
Punching-machine feeding device .....	F. Deming.....	166,078	July 27, 1875	937	290	8	174
Punching-machine feeding device .....	F. Deming.....	169,784	Nov. 9, 1875	469	148	8	803
Punching machine, Metal .....	D. W. Baer.....	165,466	July 13, 1875	340	59	8	62
Punching machine, Metal .....	J. R. Lindsay.....	166,767	Aug. 17, 1875	514	158	8	289
Punching pipes, Machine for .....	O. B. Olmsted.....	163,176	Sept. 28, 1875	767	243	8	533
Punching-press .....	W. E. Brooke.....	159,495	Feb. 9, 1875	252	82	7	227
Putty, Press for packing .....	L. Boucher.....	166,066	July 27, 1875	925	286	8	172
Pyrometer .....	M. Crayford.....	161,330	Mar. 20, 1875	1031	335	7	522
Pyrophone .....	G. E. F. Kastner.....	164,458	June 15, 1875	640	191	7	1030

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Quadrant for opening, shutting, and fastening windows .....	J. E. Beauland.....	159,744	Feb. 16, 1875	493	165	7	266
Quartz-mills, Concentrating tailings from .....	F. E. Mills.....	170,280	Nov. 23, 1875	964	302	8	84
Quartz-mortar .....	A. W. Anderson.....	165,146	July 6, 1875	1	1	8	9
Quicksilver-furnace .....	C. A. Luckhardt.....	159,692	Feb. 9, 1875	425	142	7	251
Quicksilver in quartz-mills, Distributing .....	M. P. Boss.....	167,650	Aug. 24, 1875	860	268	8	346
Quicksilver-ore, Treating .....	J. P. Sieveking.....	169,198	Oct. 23, 1875	855	273	3	769
Quicksilver-saving machine .....	J. W. Varney.....	163,616	May 25, 1875	867	273	7	891

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Quicksilver-strainer.....	H. H. Oakes.....	159, 113	Jan. 26, 1875	751	247	7	149
Quilted fabric, Imitation.....	W. E. Corwin.....	166, 262	Aug. 3, 1875	70	22	8	269
Quilter and corder, Gage.....	G. Vincent.....	161, 458	Mar. 30, 1875	1152	371	7	537
Quilting-frame.....	T. C. Maris.....	159, 429	Feb. 2, 1875	169	58	7	268
Quilting-frame.....	G. P. Simmonds and J. Franz.....	161, 639	Apr. 6, 1875	45	17	7	575
Quilting-frame.....	T. N. Wheeler.....	158, 659	Jan. 12, 1875	291	97, 98	7	65
Quilting-frame clamp.....	A. P. Grabham.....	159, 090	Jan. 26, 1875	728	241	7	146
Quilting-frame clamp.....	U. N. Partridge.....	163, 162	May 11, 1875	359	117	7	862
Quilting-machine.....	A. Beck.....	159, 884	Feb. 16, 1875	624	207	7	282
R.							
Races, Electrical apparatus for timing.....	R. J. Sheehy.....	164, 696	June 22, 1875	818	{ 267 268 }	7	1069
Rack:							
<i>See</i> Advertising-card rack. Feed-rack.							
Barrel-rack. Filter-rack.							
Book-rack. Folding rack.							
Carpet show-rack. Hay-rack.							
Clothes and hat rack. Show-rack.							
Drying-rack. Towel-rack.							
Electroplating-rack. Wagon-rack.							
Radiator.....	J. Reynold's.....	162, 100	Apr. 13, 1875	452	151	7	642
Radiator.....	E. Russell.....	165, 181	July 6, 1875	38	11	8	14
Radiator, Steam.....	S. J. Georghagan.....	163, 763	May 25, 1875	987	313	7	907
Radiator, Steam.....	J. Mason.....	161, 804	Apr. 6, 1875	183	62	7	595
Radiator, Steam.....	E. F. Osborne.....	165, 118	June 29, 1875	1216	391	7	1138
Radiator, Steam.....	G. B. Riggins.....	163, 808	May 25, 1875	1026	335	7	913
Radiator, Steam.....	J. Shackleton.....	164, 600	June 15, 1875	719	234	7	1047
Radiator, Steam.....	W. H. Shock.....	161, 967	Apr. 13, 1875	291	98	7	632
Radiator, Steam.....	W. B. Snow.....	166, 901	Aug. 17, 1875	694	215	8	314
Radiator, Steam.....	J. R. Worswick.....	161, 085	Mar. 23, 1875	780	257	7	482
Radiator, Steam-heater.....	C. Comstock.....	159, 135	Jan. 26, 1875	785	258	7	154
Radiator, Steam-heater.....	C. R. Ellis.....	164, 156	June 8, 1875	300	102	7	983
Radiator, Steam-heater.....	C. C. Walworth.....	158, 612	Jan. 12, 1875	245	83	7	58
Radiator-tube.....	E. Russell.....	168, 674	Oct. 11, 1875	349	114	8	622
Radiators, Air-vent for steam.....	G. W. Blake.....	170, 808	Dec. 7, 1875	139	46	8	969
Rafting-crib.....	C. W. Tohey.....	162, 124	Apr. 13, 1875	480	158	7	645
Rag-cutting machine.....	W. C. Harrison.....	163, 069	May 11, 1875	329	107	7	797
Rail-drilling device.....	J. H. Lakey.....	161, 418	Mar. 30, 1875	1117	361	7	532
Rail, Hand.....	P. J. Hardy.....	163, 996	June 1, 1875	131	46	7	949
Rail-holder.....	C. W. Matthews.....	170, 679	Dec. 7, 1875	24	8	8	954
Rail-joint.....	G. A. Mead.....	169, 717	Nov. 9, 1875	397	124	8	794
Rail-joint.....	H. Weber.....	170, 652	Nov. 30, 1875	1314	415	8	940
Railing, post, &c. tube.....	D. W. Hazleton.....	169, 699	Nov. 9, 1875	381	120	8	792
Railway-bulletin box.....	W. T. Jacoby.....	171, 571	Dec. 28, 1875	903	295	8	1095
Railway-chair.....	J. Gogerty.....	170, 168	Nov. 23, 1875	858	268	8	869
Railway-chair.....	R. C. Ludlow.....	165, 845	July 20, 1875	207	215	8	129
Railway-chair.....	J. Raddin.....	161, 547	Mar. 30, 1875	1240	399	7	549
Railway-chair.....	G. O. Ross.....	164, 596	June 15, 1875	714	233	7	1047
Railway-chair.....	J. L. Seward.....	159, 715	Feb. 9, 1875	416	149	7	254
Railway chair, Street.....	J. M. Atkinson.....	170, 979	Dec. 14, 1875	311	103	8	999
Railway-crossing.....	J. Cunnning.....	159, 158	Jan. 26, 1875	788	258	7	154
Railway-crossing.....	E. J. Patte son.....	164, 759	June 22, 1875	873	285	7	1076
Railway-crossing.....	C. C. Shelby.....	168, 055	Sept. 21, 1875	629	202	8	512
Railway-crossing.....	W. J. Stillman.....	168, 853	Oct. 19, 1875	518	170	8	654
Railway-crossing gate.....	S. Cox.....	160, 166	Feb. 23, 1875	891	293	7	327
Railway-crossing gate.....	S. Keller.....	167, 812	Sept. 21, 1875	439	140	8	484
Railway-crossing signal.....	R. T. King and L. L. Nunn.....	163, 875	June 1, 1875	34	11	7	935
Railway, Elevated.....	J. B. Church.....	162, 220	Apr. 20, 1875	582	191	7	666
Railway, Elevated.....	J. B. Cornell.....	160, 656	Mar. 9, 1875	362	132	7	410
Railway, Elevated.....	J. M. Hanuab's.....	163, 188	May 11, 1875	437	142	7	811
Railway, Elevated.....	J. M. Hanuab's.....	163, 189	May 11, 1875	437	142	7	812
Railway, Elevated.....	W. H. Harrison.....	167, 461	Sept. 7, 1875	21	6	8	409
Railway, Elevated.....	C. L. Horack.....	162, 751	May 4, 1875	14	5	7	749
Railway, Elevated.....	L. Lotz.....	160, 831	Mar. 16, 1875	552	179	7	442
Railway, Elevated.....	A. E. Lozier.....	169, 819	Nov. 9, 1875	504	158	8	807
Railway, Elevated.....	R. Stone.....	162, 504	Apr. 27, 1875	876	290	7	710
Railway, Elevated.....	J. Westcott.....	169, 322	Oct. 26, 1875	974	316	8	724
Railway, Elevated.....	J. Westcott.....	169, 606	Nov. 2, 1875	267	87	8	770
Railway, Elevated.....	F. A. Williams.....	160, 249	Feb. 23, 1875	961	{ 316 317 }	7	357
Railway, Elevated.....	J. G. Wilson.....	165, 906	July 20, 1875	762	233	8	138
Railway-frog.....	J. Cunnings.....	166, 855	Aug. 17, 1875	649	202	8	368
Railway-frog.....	G. Elliot.....	170, 537	Nov. 30, 1875	1203	379	8	926
Railway-frog.....	W. L. Lamborn.....	159, 763	Feb. 16, 1875	598	170	7	268
Railway-frog.....	F. C. Weir.....	171, 073	Dec. 14, 1875	394	131	8	1010
Railway-frog point.....	J. Johnson.....	167, 671	Sept. 14, 1875	276	81	8	451
Railway-frogs, Machine for welding.....	A. J. O'Leary and J. Turner.....	168, 103	Sept. 28, 1875	698	220	8	538
Railway-gate.....	J. H. Eberbart.....	166, 973	Aug. 21, 1875	777	240	8	334
Railway-joint.....	H. Allen.....	166, 243	Aug. 3, 1875	53	17	8	206
Railway-lubricator.....	C. B. O'Sullivan and P. Murphy.....	166, 548	Aug. 10, 1875	351	108	8	257
Railway-pinch-bar.....	C. Ragan.....	161, 439	Mar. 30, 1875	1134	366	7	535
Railway, Pneumatic.....	R. R. Gregg.....	165, 092	June 29, 1875	1191	384	7	1125
Railway, Portable.....	A. Bass.....	164, 252	June 8, 1875	390	132	7	994
Railway-rail.....	G. H. Mayer, jr.....	171, 029	Dec. 14, 1875	352	117	8	1005
Railway-rail joint.....	H. Allen.....	168, 704	Oct. 11, 1875	374	{ 132 133 }	8	625
Railway-rail joint.....	G. E. Dering.....	169, 239	Oct. 26, 1875	892	290	8	714
Railway-rail joint.....	C. Dittman.....	168, 558	Oct. 11, 1875	241	79	8	606
Railway-rail joint.....	S. W. Griffith.....	168, 490	Oct. 5, 1875	141	48	8	586
Railway-rail joint.....	W. Haddock.....	164, 369	June 15, 1875	516	170	7	1020
Railway-rail joint.....	J. G. Holliday.....	168, 900	Oct. 19, 1875	561	183	8	660
Railway-rail joint.....	W. H. Hornum.....	169, 266	Oct. 26, 1875	920	298	8	717
Railway-rail joint.....	J. M. Kenny.....	160, 916	Mar. 16, 1875	619	202	7	431

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Railway-rail joint	R. Long	170, 384	Nov. 23, 1875	1047	329	8	896
Railway-rail joint	C. B. Phillips	160, 277	Mar. 2, 1875	20	8	7	351
Railway-rail joint	R. Pickel	160, 118	Feb. 23, 1875	850	250	7	321
Railway-rail joint	D. K. Reeder	163, 032	Feb. 23, 1875	778	257	7	311
Railway-rail joint	W. H. Robinson	163, 293	Oct. 26, 1875	945	307	8	720
Railway-rail joint	W. M. Spacht	164, 051	June 1, 1875	185	66	7	956
Railway-rail joint	S. H. Witmer	167, 598	Sept. 7, 1875	195	61	8	433
Railway-rail joint	J. C. Wright	167, 047	Aug. 24, 1875	846	263	8	344
Railway-rail joint fastening	L. Chilson	169, 237	Oct. 26, 1875	891	290	8	714
Railway-rail joint fastening	J. Corson	166, 750	Aug. 17, 1875	556	170	8	295
Railway-rail joint fastening	S. Hipkins, jr., and J. W. Rigsby	166, 379	Aug. 3, 1875	181	54	8	224
Railway-rail joint fastening	P. F. and E. A. Kiug	167, 260	Aug. 31, 1875	1064	331	8	322
Railway-rail joint fastening	P. McCarty	158, 645	Jan. 12, 1875	277	93	7	63
Railway-rail joint fastening	A. Spencer	166, 225	Aug. 3, 1875	41	13	8	205
Railway-rail joint fastening	J. B. Tapscott	161, 839	Apr. 6, 1875	221	74	7	600
Railway-rail joint fastening	G. C. Vail	162, 589	Apr. 27, 1875	946	304	7	720
Railway-rail joint protector	I. Mill	160, 940	Mar. 16, 1875	644	210	7	454
Railway-rail-patching machine	J. R. Moore and J. G. Mills	160, 536	Mar. 9, 1875	266	90	7	395
Railway rail, Street	J. P. Nettle	162, 941	May 4, 1875	190	62	7	772
Railway-rail support	S. L. Porter and D. Peck	161, 153	Mar. 23, 1875	848	276	7	490
Railway rails, Joint-support for street	C. B. Sheldon	164, 776	June 22, 1875	886	269	7	1078
Railway-rails, Method of forming fagots of old	J. Downing, sr.	165, 219	July 6, 1875	73	21	8	19
Railway-rammer head	M. A. J. Winipser	163, 855	May 25, 1875	1049	332	7	916
Railway-signal	J. H. Barger	171, 053	Dec. 14, 1875	404	134	8	1011
Railway-signal	F. C. Bolton and M. Adams	163, 446	May 18, 1875	657	220	7	861
Railway-signal	H. Flad	162, 369	Apr. 20, 1875	722	{ 235 236 237 }	7	683
Railway-signal	J. Gordon	162, 376	Apr. 20, 1875	734	239	7	684
Railway-signal	R. L. Kilpatrick	161, 519	Mar. 30, 1875	1215	{ 390 391 392 }	7	545
Railway-signal	R. H. Moore	166, 024	July 27, 1875	887	274	8	167
Railway-signal	F. Raymond	169, 477	Nov. 2, 1875	139	45, 46	8	754
Railway-signal circuit-closer	D. Rousseau	166, 558	Aug. 10, 1875	361	111	8	258
Railway-signal circuit-closer	S. Weeks	165, 281	July 6, 1875	123	38	8	26
Railway-signal, Detonating	H. J. Detwiller	170, 067	Nov. 16, 1875	737	234	8	846
Railway-signal, Detonating	F. Hickman	160, 431	Mar. 2, 1875	155	54	7	371
Railway-signal, Detonating	F. Hickman	167, 532	Sept. 7, 1875	135	41	8	425
Railway-signal, Electric	E. E. Bean	169, 509	Nov. 2, 1875	167	55, 56	8	758
Railway-signal, Electric	J. S. Farmer and E. Tyr	170, 540	Nov. 30, 1875	1207	380	8	926
Railway-signal, Electric	D. Rousseau	166, 557	Aug. 10, 1875	358	111	8	258
Railway-signal, Electric	D. Rousseau	166, 559	Aug. 10, 1875	363	111	8	258
Railway-signal, Electric	H. W. Spang	164, 227	June 8, 1875	359	{ 123 124 125 }	7	991
Railway-signal, Electric	H. W. Spang	164, 228	June 8, 1875	366	125	7	991
Railway-signal, Electric	H. W. Spang	164, 778	June 22, 1875	888	290	7	1078
Railway-signal, Electric	H. W. Spang	168, 058	Sept. 21, 1875	631	202	8	512
Railway-signal, Electric	H. W. Spang	168, 059	Sept. 21, 1875	634	{ 203 204 }	8	513
Railway-signals, Circuit-closer for	L. B. Dennis	168, 379	Oct. 5, 1875	53	19	8	572
Railway signaling apparatus	J. Ewart	162, 908	May 4, 1875	157	51	7	767
Railway signaling apparatus, Electrical	E. W. Siemens and C. L. Frischen	161, 561	Mar. 30, 1875	1251	{ 403 404 }	7	551
Railway signaling apparatus, Pneumatic	A. Chambers	163, 152	May 11, 1875	403	130	7	807
Railway-sprinkler	G. M. Stevens	165, 184	July 6, 1875	41	12	8	14
Railway-switch	J. L. Arms	169, 610	Nov. 9, 1875	287	93	8	781
Railway-switch	P. C. Bragg	160, 076	Feb. 23, 1875	816	268	7	316
Railway-switch	D. F. Cavanaugh	166, 186	Aug. 3, 1875	5	2	8	199
Railway-switch	D. F. Cavanaugh	167, 743	Sept. 14, 1875	331	106	8	460
Railway-switch	C. C. Coats	167, 499	Sept. 7, 1875	101	32	8	421
Railway-switch	W. W. Colley	164, 523	June 15, 1875	655	211	7	1037
Railway-switch	H. Cook	162, 460	Apr. 27, 1875	834	269	7	705
Railway-switch	M. H. Davidson	163, 364	May 18, 1875	619	198	7	851
Railway-switch	C. P. Doyce	167, 313	Aug. 31, 1875	1107	348	8	389
Railway-switch	G. Gill and F. V. Beisel	166, 604	Aug. 10, 1875	403	124	8	264
Railway-switch	B. Hinkley	163, 198	May 11, 1875	449	145	7	813
Railway-switch	W. L. Lamborn	169, 274	Oct. 26, 1875	926	{ 300 301 }	8	718
Railway-switch	S. E. Linton	171, 575	Dec. 28, 1875	906	296	8	1095
Railway-switch	L. Middleton and J. B. Cary	169, 021	Oct. 19, 1875	673	{ 221 222 }	8	675
Railway-switch	C. D. Tisdale	160, 040	Feb. 23, 1875	784	258	7	311
Railway-switch	E. A. Trapp	162, 434	Apr. 20, 1875	787	256	7	691
Railway-switch	J. Walker	164, 886	June 22, 1875	996	{ 321 322 }	7	1091
Railway-switch	W. A. Weant	161, 918	Apr. 13, 1875	303	101	7	623
Railway-switch	J. C. Wheelum	165, 287	July 6, 1875	129	39	8	26
Railway-switch	G. J. Woodruff	160, 135	Feb. 23, 1875	862	285	7	323
Railway-switch, Safety	J. A. Duggan	167, 652	Sept. 14, 1875	253	79	8	449
Railway-switch stand	J. H. Lukens	163, 220	May 11, 1875	464	{ 150 151 }	7	815
Railway switch, Street	C. B. Barlow	162, 790	May 4, 1875	52	17	7	753
Railway switch, Street	B. Bevelander	161, 001	Mar. 23, 1875	704	232	7	472
Railway switch, Street	C. P. Evans	168, 889	Oct. 19, 1875	549	180	8	659
Railway switch, Street	G. T. Jacobs	163, 780	May 25, 1875	1001	318	7	909
Railway switch, Street	A. L. Johnsons	166, 530	Aug. 10, 1875	338	103	8	255
Railway-tanks, Means for raising water into	T. Rhodes	166, 556	Aug. 10, 1875	358	110	8	258
Railway-tie	S. H. Hamilton	163, 187	May 11, 1875	436	141	7	811
Railway-tie	S. L. Porter and D. Peck	158, 437	Jan. 5, 1875	72	25	7	19
Railway-tie	H. Reese	163, 254	May 11, 1875	498	162	7	819
Railway time signal	J. A. Dinkey, N. Embody, and S. Bradley	166, 194	Aug. 3, 1875	11	4	8	290
Railway time-signal	J. C. Paige	164, 475	June 15, 1875	613	199	7	1032

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Railway time-signal	J. A. Tapley	169, 741	Nov. 9, 1875	420	133	8	797
Railway-track	R. Bañolas	161, 793	June 22, 1875	902	293	7	1080
Railway-track gage	S. Holbrook	168, 567	Oct. 11, 1875	252	82	8	607
Railway tracks, Street	J. Quigley	171, 422	Dec. 21, 1875	746	245	8	1065
Railway-tracks, Repairing	J. Houston	160, 197	Feb. 23, 1875	915	301	7	330
Railway-tunnel ventilator	J. Dixon	163, 643	May 25, 1875	289	231	7	894
Railway-wrench	J. R. Finley	165, 319	July 6, 1875	162	49	8	31
Railways, Permanent way for	R. E. Nichols	166, 625	Aug. 10, 1875	4-0	130	8	266
Ram-conductor	J. W. Hoyt	163, 314	May 18, 1875	574	183	7	845
Rain-spout support	D. Roake	163, 531	May 18, 1875	774	245	7	871
Rake:							
<i>See</i> Garden-rake.	Horse-rake.						
Harvester-rake.	Vine-rake.						
Hay-rake.							
Rake	F. W. Hawkins	164, 450	June 15, 1875	594	193	7	1030
Rammer, Pavior's	G. Hitchcock	162, 384	Apr. 20, 1875	739	241	7	685
Rammer, Road	A. Q. Ross	164, 877	June 22, 1875	989	319	7	1090
Rammer, Steam road	S. Johnson	167, 839	Sept. 21, 1875	437	139	8	483
Range	E. O. Brinckerhoff	159, 208	Feb. 2, 1875	49	18, 19	7	191
Range-boiler	J. A. Gibson	165, 724	July 20, 1875	585	179	8	114
Range-boiler stand	L. Brandeis	164, 420	June 15, 1875	567	184	7	1026
Range, Cooking	W. P. Abendroth	166, 242	Aug. 3, 1875	52	17	8	206
Range, Cooking	T. Groom	168, 152	Sept. 28, 1875	748	236	8	535
Range, Cooking	J. Old	160, 542	Mar. 9, 1875	270	92	7	396
Range, Portable	J. Cox and G. E. Hopkin	165, 660	July 20, 1875	529	162	8	105
Range, Portable	G. W. Walker	161, 365	Mar. 30, 1875	1063	346	7	536
Range, Portable	G. G. Wolfe	164, 630	June 15, 1875	744	{ 243 244 }	7	1051
Ranges, stoves, &c., Upright boiler for	J. Lawton and J. A. Gibson	165, 105	June 29, 1875	1206	388	7	1127
Ratchet-drill	H. C. English	167, 392	Sept. 7, 1875	13	4	8	408
Ratchet-drill	G. Hayden	169, 262	Oct. 26, 1875	917	297	8	717
Ratchet-drill	J. M. Koerberle	164, 686	June 22, 1875	898	264	7	1063
Ratchet-movement	J. Parr	169, 574	Nov. 2, 1875	234	77	8	766
Ratchet-wheel	J. F. Thomas	170, 917	Dec. 7, 1875	231	79	8	982
Ratchet-wheel click	E. H. Perry	169, 190	Oct. 26, 1875	848	277	8	708
Ratchet-wrench	F. S. Ober	168, 406	Oct. 5, 1875	78	27	8	576
Rattan machines, Measuring-mechanism for	N. H. Richardson	167, 358	Aug. 31, 1875	1148	361	8	394
Rattan, Treating	C. Newman	167, 409	Sept. 7, 1875	29	8	8	410
Rattou-cutting machine	J. Angers	160, 992	Mar. 23, 1875	697	229	7	471
Razor-strap	J. Maxson	170, 635	Nov. 30, 1875	1302	411	8	939
Reapers, Self-rake for	S. B. Gilliland	171, 010	Dec. 14, 1875	338	112	8	1003
Reciprocating-cylinder revolving engine	C. H. Palmer and E. H. Dewey	165, 175	July 6, 1875	34	9	8	13
Reciprocating engine	G. B. Dixwell	166, 688	Aug. 17, 1875	497	152	8	286
Reciprocating engine, Direct-acting	R. Creznbour	161, 486	Mar. 30, 1875	1181	379	7	541
Reciprocating steam-engine	G. B. Dixwell	160, 311	Mar. 2, 1875	48	18, 19	7	356
Reciprocating steam-engine	C. W. Hermanco	163, 773	May 25, 1875	994	315	7	968
Reciprocating steam-engine	M. V. Nobles	158, 510	Jan. 5, 1875	141	47	7	28
Reclining-chair	C. M. Alexander	170, 503	Nov. 30, 1875	1174	371	8	922
Reclining-chair	J. Danim	159, 395	Feb. 2, 1875	137	47	7	204
Reclining-chair	N. H. Hill	160, 673	Mar. 9, 1875	381	129	7	413
Reclining-chair	J. S. Leas	163, 218	May 11, 1875	462	150	7	815
Reclining-chair	J. W. McDonough	163, 389	May 18, 1875	641	205	7	854
Rectifiers, Purification of filtering and oxygenating substances in	J. W. Reford	159, 451	Feb. 2, 1875	190	64	7	211
Rectifying and oxygenating apparatus	J. W. Reford	159, 450	Feb. 2, 1875	189	64	7	211
Rectifying-stills	E. F. Priests	160, 951	Mar. 16, 1875	653	213	7	455
Recurrent chair	J. H. Swasey	164, 607	June 15, 1875	724	236	7	1048
Reel:							
<i>See</i> Bolting-reel.	Harvester-reel.						
Clothes-line reel.	Hose-reel.						
Fishing-rod reel.	Ticket-reel.						
Reflector	W. R. Gardner	158, 929	Jan. 19, 1875	559	185	7	116
Reflector	B. Goetz	160, 584	Mar. 9, 1875	306	104	7	401
Reflector	C. M. Murch	167, 187	Aug. 31, 1875	1002	312	8	373
Reflector	C. M. Murch	167, 188	Aug. 31, 1875	1003	312	8	373
Reflector	G. Rosenthal	159, 969	Feb. 16, 1875	698	232	7	293
Reflector and sight protector	M. M. Mendenhall	158, 726	Jan. 12, 1875	346	118	7	72
Reflector, Heat	L. B. Woolfolk	165, 048	June 29, 1875	1153	372	7	1119
Reflector, Street-lamp	C. Robinson	165, 509	July 13, 1875	376	111	8	68
Refrigerating apparatus	G. H. Chimcock	163, 576	May 25, 1875	826	261	7	886
Refrigerating apparatus	L. B. Woolfolk	171, 204	Dec. 14, 1875	528	174	8	1028
Refrigerating-houses, Floor for	G. Rochevot and F. Schmidt	169, 481	Nov. 2, 1875	144	47	8	755
Refrigerating-table	P. Libert	161, 694	Apr. 6, 1875	90	31	7	582
Refrigerator	H. H. Barnes	167, 423	Sept. 7, 1875	44	13	8	412
Refrigerator	E. S. Bitner	169, 078	Oct. 26, 1875	748	244	8	693
Refrigerator	A. F. Bronner	162, 793	May 4, 1875	56	18	7	754
Refrigerator	W. P. Butler	161, 928	Apr. 13, 1875	312	104	7	624
Refrigerator	J. C. Clark	164, 050	Feb. 23, 1875	793	261	7	313
Refrigerator	S. H. Crump	158, 687	Jan. 12, 1875	313	106	7	68
Refrigerator	J. F. Ebert	168, 833	Oct. 19, 1875	501	{ 163 164 }	8	652
Refrigerator	E. W. Giddings	162, 468	Apr. 27, 1875	842	271	7	706
Refrigerator	H. G. Gleyre	167, 446	Sept. 7, 1875	60	18	8	414
Refrigerator	W. Grayson	160, 422	Mar. 2, 1875	147	51, 52	7	370
Refrigerator	E. B. Jewett	170, 749	Dec. 7, 1875	77	21	8	961
Refrigerator	R. Lond	166, 469	Aug. 10, 1875	290	86	8	247
Refrigerator	J. L. Mason, and A. and J. M. Sinclair	164, 653	June 22, 1875	778	255	7	1063
Refrigerator	J. A. Meeks	161, 626	Apr. 6, 1875	32	13	7	573
Refrigerator	J. H. Ridgway	159, 843	Feb. 16, 1875	582	193	7	277
Refrigerator	J. Schmelzer	167, 695	Sept. 14, 1875	289	91	8	451
Refrigerator	M. Shaw	169, 854	Nov. 9, 1875	537	167	8	811
Refrigerator	I. Silsby	160, 337	Mar. 2, 1875	89	33	7	361
Refrigerator	E. B. Smith	169, 365	Oct. 26, 1875	957	310	8	732
Refrigerator	E. B. Smith	169, 366	Oct. 26, 1875	959	{ 310 311 }	8	732

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Refrigerator.....	B. A. Stevens.....	167,706	Sept. 14, 1875	299	95	8	456
Refrigerator.....	B. A. Stevens.....	170,692	Nov. 30, 1875	1271	400	8	934
Refrigerator.....	J. H. Wickes.....	171,456	Dec. 21, 1875	775	256	8	1069
Refrigerator.....	L. B. Woolfolk.....	168,441	Oct. 5, 1875	105	36	8	580
Refrigerator and water-cooler.....	W. Hammel.....	168,988	Oct. 19, 1875	642	212	8	671
Refrigerator-building.....	T. Krausch.....	164,744	June 22, 1875	861	280	7	1075
Refrigerator-building floor.....	H. Voigt and H. Eilmann.....	169,866	Nov. 9, 1875	549	171	8	813
Refrigerator-car.....	R. Armiger.....	163,961	June 1, 1875	101	35	7	945
Refrigerator-car.....	J. H. Canfield.....	166,341	Aug. 3, 1875	142	44	8	219
Refrigerator-car.....	A. Thoma.....	171,591	Dec. 28, 1875	921	302	8	1697
Refrigerator-car.....	J. Turner.....	171,491	Dec. 28, 1875	836	271	8	1084
Refrigerator-car.....	J. Tiffany.....	159,718	Feb. 9, 1875	449	150	7	255
Refrigerator for pails, &c., Removable.....	J. C. Jones.....	160,438	Mar. 2, 1875	162	56	7	372
Refrigerator for pails, &c., Removable.....	J. C. Jones.....	166,110	July 27, 1875	971	299	8	178
Refrigerator, Show-case.....	J. H. Hoffman.....	165,733	July 20, 1875	592	181	8	115
Refrigerator, Water-evaporating.....	G. B. Satterlee.....	161,062	Mar. 23, 1875	756	249	7	479
Refrigerators, Ice-floor for.....	H. Braunlich.....	167,980	Sept. 21, 1875	549	177	8	501
Register:							
<i>See</i> Air-register.....	Hot-air register.....						
Billiard-register.....	Laundry-register.....						
Ceiling-register.....	Measure-register.....						
Dose-register.....	Passenger-register.....						
Fare-register.....	Stove-register.....						
Fire-alarm register.....	Ventilating-register.....						
Gas-meter register.....							
Register.....	T. B. Doolittle.....	170,351	Nov. 23, 1875	1018	319	8	892
Register.....	F. Gresbeck and E. Müllendorff.....	169,691	Nov. 9, 1875	374	117	8	791
Register.....	F. J. and W. H. Hoyt.....	167,901	Sept. 21, 1875	492	156	8	491
Register.....	G. F. Spencer.....	170,200	Nov. 23, 1875	886	277	8	873
Registering and recording machine.....	F. W. Brooks.....	167,982	Sept. 21, 1875	551	178	8	501
Registering-gate.....	J. T. Aldrich.....	169,941	Nov. 16, 1875	627	195	8	831
Registering-machine.....	C. M. Cady.....	165,981	July 27, 1875	849	261	8	161
Registering-machine.....	C. E. Rand and J. T. Dupont.....	160,349	Mar. 2, 1875	81	29	7	360
Regulator:							
<i>See</i> Air and gas regulator.....	Gas-regulator.....						
Cistern-supply regulator.....	Heat-regulator.....						
Damper-regulator.....	Power-regulator.....						
Feed-regulator.....	Pressure-regulator.....						
Feed-water regulator.....	Steam or water pressure regulator.....						
Fire-alarm regulator.....	Tank-regulator.....						
Flame-regulator.....	Watch-regulator.....						
Rein-holder.....	B. F. Brown.....	167,983	Sept. 21, 1875	552	178	8	501
Rein-holder.....	J. Bulger and N. Inglis.....	165,153	July 6, 1875	7	3	8	10
Rein-holder.....	M. Cain.....	164,970	June 29, 1875	1059	351	7	1111
Rein-holder.....	H. Gilmore and J. T. Spencer.....	167,891	Sept. 21, 1875	484	153	8	490
Rein-holder.....	B. E. Hamilton.....	152,936	Jan. 19, 1875	564	187	7	117
Rein-holder.....	C. Hutchings.....	161,792	Apr. 6, 1875	172	59	7	594
Rein-holder.....	C. Osgood.....	160,028	Feb. 23, 1875	775	256	7	310
Rein-holder.....	J. D. Owen and G. M. Custer.....	167,781	Sept. 14, 1875	372	119	8	466
Rein-holder.....	G. W. Miller.....	170,759	Dec. 7, 1875	96	31	9	963
Rein-holder.....	E. N. Porter, W. E. Hawes, and C. R. Page.....	167,564	Sept. 7, 1875	162	51	8	429
Rein-holder.....	F. C. Sparhawk.....	164,229	June 8, 1875	368	125	7	991
Rein-holder and whip-socket, Combined.....	J. H. Sunderman.....	163,278	May 11, 1875	521	169	7	822
Rein holder, Check.....	J. W. Wood and E. A. Drago.....	158,818	Jan. 19, 1875	451	150	7	102
Rein-holder, Safety.....	L. Bailey.....	170,930	Dec. 14, 1875	261	87	8	993
Reins, Safety-loop for check.....	S. A. Marker.....	167,109	Aug. 24, 1875	908	283	8	353
Relishing-machine.....	E. F. Bohn.....	168,867	Oct. 19, 1875	531	174	8	656
Relishing-machine.....	W. G. Caldwell.....	160,003	Feb. 23, 1875	754	249	7	308
Relishing-machine.....	G. W. Conlee.....	164,427	June 15, 1875	575	186	7	1027
Rendering fats.....	H. Halvorson.....	171,613	Dec. 28, 1875	956		8	1102
Rendering, Machine for cutting fats for.....	P. L. McDowell.....	164,854	June 22, 1875	962	311	7	1627
Rendering tank, Lard.....	N. Caldwell.....	168,611	Oct. 11, 1875	293	95	8	613
Respirator and inhaler, Combined.....	J. Carrick.....	167,496	Sept. 7, 1875	99	31	8	420
Retort-charging apparatus.....	W. Foulis.....	165,667	July 20, 1875	536	164	8	106
Retort for burning and revivifying charcoal.....	F. O. Matthiessen.....	161,253	Mar. 23, 1875	945	308	7	503
Retort for concentrating sulphuric acid.....	J. Saunders.....	171,049	Dec. 14, 1875	367	122	8	1007
Retort for furnaces.....	H. M. Smith.....	170,197	Nov. 23, 1875	883	276	8	873
Retort-tilt.....	J. Herzog and R. Koch.....	159,671	Feb. 9, 1875	408	135	7	249
Reverberating furnace.....	J. Nicholson, jr.....	158,802	Jan. 19, 1875	490	165	7	107
Reverberating furnace.....	J. Price.....	169,581	Nov. 2, 1875	242	79	7	707
Reversing mechanism.....	R. B. and J. C. Chapman.....	160,877	Mar. 16, 1875	538	191	7	447
Revolution-indicator.....	C. H. Phinney.....	169,117	Oct. 26, 1875	790	256	8	699
Revolver safety-catch.....	C. W. Hopkins.....	165,098	June 29, 1875	1201	386	7	1126
Revolvers, Locking-catch for.....	F. H. Allen.....	168,549	Oct. 11, 1875	233	77	8	605
Revolving-chair base.....	W. T. Doremus.....	163,353	Oct. 5, 1875	57	20	8	573
Revolving dropper.....	J. Johnson.....	169,707	Nov. 9, 1875	389	122	8	793
Revolving furnace.....	J. Maues.....	161,620	Apr. 6, 1875	27	11	7	572
Rheumatism remedy.....	A. Severin.....	171,654	Dec. 14, 1875	377		8	1008
Ribbon-runner.....	C. Young.....	165,970	July 27, 1875	837	257	8	159
Rice-cleaning machine.....	J. B. Rupert.....	161,281	Mar. 23, 1875	971	317	7	506
Rice-hulling machine.....	J. Jonef.....	171,516	Dec. 28, 1875	854	279	8	1087
Rice-mortar.....	N. O. Tilton.....	170,787	Dec. 7, 1875	120	39	8	966
Rice, Scouring and polishing.....	P. R. Lachicotte.....	166,992	Aug. 24, 1875	800		8	337
Ridge-ventilator.....	J. S. Wightman.....	162,261	Apr. 20, 1875	622	203	7	671
Rifle, Sharpening.....	S. P. Doane.....	165,806	July 20, 1875	664	203	8	121
Ring:							
<i>See</i> Ear-ring.....	Sheet-metal ring.....						
Hog-ring.....	Spinning-ring.....						
Hollow ring.....	Suspending-ring.....						
Key-ring.....							

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River channels, Construction of jetties for improving	A. B. Mullett and F. Shumann	159,956	Feb. 16, 1875	687	228	7	291
Rivet-drilling machine	M. Bray	166,963	Aug. 24, 1875	766	237	8	333
Rivet-making machine	B. C. Quimby	170,112	Nov. 16, 1875	770	247	8	852
Rivet-setting machine	M. Bray	161,659	Apr. 6, 1875	60	22	7	578
Riveting-machine	J. F. Allen	168,314	Oct. 5, 1875	1	1	8	565
Riveting-machine	M. Bray	161,660	Apr. 6, 1875	63	23	7	578
Riveting-machine	R. H. Tweddell	165,135	June 29, 1875	1228	{ 395 396	7	1130
Road-engine	J. H. Range	168,600	Oct. 11, 1875	283	92	8	611
Road-engine	R. R. Doan	158,923	Jan. 19, 1875	552	183	7	115
Road-engine	G. T. Ellis	161,217	Mar. 23, 1875	900	{ 295 296	7	497
Roaster: See Coffee-roaster.							
Roasting apparatus	L. Dutertre	163,167	May 11, 1875	419	136	7	809
Rock-drill	H. P. Bell	159,885	Feb. 16, 1875	626	207	7	283
Rock-drill	C. Burleigh	162,528	Apr. 27, 1875	891	256	7	713
Rock-drill	G. Frisbee	168,010	Sept. 21, 1875	579	186	8	505
Rock-drill	W. W. Goodwin	161,948	Apr. 13, 1875	327	110	7	626
Rock-drill	J. Hamraha	158,764	Jan. 12, 1875	327	111	7	70
Rock-drill	G. H. Reynolds	162,419	Apr. 20, 1875	773	251	7	659
Rock-drill	G. H. Reynolds	164,394	June 15, 1875	538	177	7	1023
Rock-drill	G. B. Seddon and W. McFaul	169,121	Oct. 26, 1875	792	257	8	699
Rock-drill, Steam	J. C. Githens	164,990	June 29, 1875	1104	356	7	1113
Rock-drill, Steam	G. F. Nutting and J. C. Githens	161,631	Apr. 6, 1875	37	14	7	574
Rock-drill tripod	J. C. Githens	167,659	Sept. 14, 1875	259	81	7	450
Rock-drill tripod	G. H. Reynolds	164,395	June 15, 1875	500	177	7	1023
Rock-drill tripod	G. H. Reynolds	164,396	June 15, 1875	542	178	7	1023
Rock-drill tripod, Steam	G. E. Nutting and J. C. Githens	162,302	Apr. 20, 1875	658	{ 214 215	7	675
Rock-drills, Buffer for steam	J. C. Githens	166,273	Aug. 3, 1875	80	25	8	210
Rock-drilling engine	G. H. Reynolds	169,587	Nov. 2, 1875	247	81	8	768
Rock-drilling machine	G. Atkinson	159,376	Feb. 2, 1875	120	42	7	201
Rock-drilling machine	J. A. Beamsdarfer	161,197	Mar. 23, 1875	881	289	7	495
Rock-drilling machine	M. C. Bollack	165,539	July 13, 1875	463	121	8	72
Rock-drilling machine	C. C. Creeger	166,590	Aug. 10, 1875	388	130	7	262
Rock-drilling machine	C. Ferroux	167,324	Aug. 31, 1875	1117	351	8	390
Rock-drilling machine	A. Kirk	170,479	Nov. 40, 1875	1153	363	8	919
Rock-drilling machine	J. W. Moyer	165,681	July 20, 1875	547	167	8	168
Rock-drilling machine	E. S. Winchester	159,242	Jan. 26, 1875	867	283	7	166
Rock-drilling machine	E. S. Winchester	165,646	July 13, 1875	504	154	8	86
Rock-drilling machines, &c., Supporting-clamp for	E. S. Winchester	159,241	Jan. 26, 1875	867	282	7	165
Rock-drilling machines, Tripod for	J. B. Waring	169,349	Nov. 2, 1875	65	19	8	743
Rock-drilling mechanism	A. E. Allen	164,715	June 22, 1875	828	270	7	1070
Rocks, &c., Wedge for splitting	T. Cosbey	165,984	July 27, 1875	851	262	8	161
Rockcr, Child's	B. E. Merembeck	161,537	Mar. 30, 1875	1232	396	7	543
Rockcr, Child's	A. Shoeninger	161,905	Apr. 13, 1875	289	97	7	621
Rockcr, scesaw, and chair, Child's combined	J. A. Crandall	161,759	Apr. 6, 1875	145	51	7	590
Rocking-chair	A. Best	169,228	Oct. 26, 1875	884	287	8	713
Rocking-chair	C. Brada	163,145	May 11, 1875	396	128	7	806
Rocking-chair	A. List	162,179	Apr. 20, 1875	548	179	7	661
Rocking-chair	C. Streit	158,869	Jan. 19, 1875	496	167	7	108
Rocking-chair	J. H. Travis	169,314	Oct. 26, 1875	968	313	8	723
Rocking-chair and swing, Convertible	S. Feust	166,269	Aug. 3, 1875	77	24	8	210
Rocking-chair bellows attachment	E. E. Sell	170,508	Nov. 23, 1875	981	307	8	886
Rocking-chair, Folding	G. McAleer	165,745	July 20, 1875	602	185	8	116
Rocking-chair, Folding	G. McAleer	166,123	July 27, 1875	984	304	8	180
Rocking-chair, Folding	A. W. Stewart	165,185	July 6, 1875	42	13	8	14
Rocking-chair, Folding	A. W. Stewart	166,726	Aug. 17, 1875	533	163	8	291
Rocking-chair, Folding	O. E. Vail	166,733	Aug. 17, 1875	543	166	8	292
Rocking-chair, Folding	G. O. Wellman	160,629	Mar. 9, 1875	344	116	7	407
Rocking-chair, Reclining	J. R. Newman	170,293	Nov. 23, 1875	968	303	8	825
Rocking-chair, Spring	S. Fallon	168,148	Sept. 28, 1875	745	235	8	534
Rocking-chairs, Attachment for stand	C. H. Hildreth	166,698	Aug. 17, 1875	506	155	8	287
Rod:							
See Connecting-rod.	Safety-switch rod.						
Fishing-rod.	Skipping-rod.						
Lightning-rod.	Stair-rod.						
Metal rod.	Sucker-rod.						
Metallic rod.	Tumbling-rod.						
Piston-rod.							
Roll-coplings, Binder for	J. Gillespie	159,814	Feb. 16, 1875	558	185	7	274
Rolls, Mechanism for operating the adjusting-screws of.	J. S. Worth	161,465	Mar. 30, 1875	1158	374	7	538
Rolls, Three-high	W. Harris and J. M. Ayer	161,786	Apr. 6, 1875	168	57, 58	7	593
Roller:							
See Anti-friction roller.	Lawn-roller.						
Barrel-roller.	Planing-machine feed-roller.						
Curtain-roller.	roller.						
Graining-roller.	Shade roller.						
Guide-roller.	Sheet-metal roller.						
Kneading-roller.	Sole-butting roller.						
Land-roller.	Trawl-roller.						
Roller and barrow	A. P. Allen	167,490	Sept. 7, 1875	94	29	8	420
Roller, &c., heater	T. S. Wiles	165,775	July 20, 1875	630	194	8	120
Rolling angle-iron, Roll for	A. Swift and J. E. York	159,978	Feb. 16, 1875	708	235	7	294
Rolling iron, Roll for	J. H. Webster	171,454	Dec. 21, 1875	773	256	8	1069
Rolling machine, Metal	J. Holmes	160,413	Mar. 2, 1875	156	55	7	371
Rolling machine, Tube	J. Hoskin	168,495	Oct. 5, 1875	157	51	8	587
Rolling metal, Roll for	A. R. Boluss	167,734	Sept. 14, 1875	324	103	8	459
Rolling metal, Roll for	G. P. Salisbury	168,584	Oct. 11, 1875	269	87	8	609
Rolling metal tubes, Machine for	C. L. Johnson	168,626	Sept. 21, 1875	596	190	8	707
Rolling metallic strips or ribbons, Apparatus for	S. R. Wilmot	162,732	Apr. 27, 1875	1091	346	7	737
Rolling-mill	G. A. Chalfant and I. Hahn	159,078	Jan. 25, 1875	719	{ 237 238	7	145
Rolling-mill	I. Hahn	164,679	June 22, 1875	800	262	7	1067

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Rolling-mill	I. Hahn	165,819	July 20, 1875	678	{ 207 208	8	126
Rolling-mill	J. Jepson	169,907	Nov. 16, 1875	597	{ 1-6	8	897
Rolling-mill	N. King and W. Scott	168,504	Oct. 5, 1875	165	{ 54	8	588
Rolling-mill	C. H. Perkins	170,449	Nov. 30, 1875	1124	{ 354	8	915
Rolling-mill feed device	S. Vanstone	167,861	Sept. 21, 1875	460	{ 145 237 238	8	487
Rolling-mill fore-plate	J. I. Williams	169,070	Oct. 19, 1875	720	{ 237 238	8	682
Rolling mill, Metal	J. I. Williams	165,290	July 6, 1875	132	{ 40	8	27
Rolling-mill, Three-high	J. I. Williams	129,071	Oct. 19, 1875	721	{ 218	8	682
Rolling-pin	P. Cavalier	159,643	Feb. 9, 1875	375	{ 125	8	244
Rolling round-iron bars, Roll for	J. H. Helm	165,927	July 27, 1875	798	{ 245	8	155
Rolling tapered bars, Machine for	T. R. Venmers and E. Rowley	161,183	Mar. 23, 1875	871	{ 285	7	483
Roof	M. A. Shepard	164,602	June 15, 1875	720	{ 234	7	1047
Roof, Cement	I. Mills, jr	163,938	June 1, 1875	83	{ 28	7	942
Roof, Composite	R. Lee	168,032	Sept. 21, 1875	604	{ 194	8	508
Roof, Fire-proof	A. B. Mullett	118,277	Sept. 28, 1875	856	{ 272	8	650
Roof, Iron	M. A. Shepard	168,587	Oct. 11, 1875	271	{ 88	8	610
Roof, Metallic	T. M. Losie	781,420	Mar. 30, 1875	1118	{ 361	7	533
Roof, Metallic	J. C. Wands	162,722	Apr. 27, 1875	1082	{ 343	7	736
Roof, Metallic	E. Watson	165,771	July 20, 1875	636	{ 192	8	119
Roof, Sheet-metal	C. W. Evans	171,368	Dec. 21, 1875	693	{ 229	8	1058
Roof, Slate	S. Brandt	160,078	Feb. 23, 1875	818	{ 269	7	316
Roof, Wooden	L. Henkle	163,375	May 18, 1875	628	{ 201	7	852
Roofing	A. Cummings	161,762	Apr. 6, 1875	147	{ 51	7	590
Roofing and paving tile, Composition	J. P. Jerries	159,329	Feb. 2, 1875	84	{ 28	7	195
Roofing composition	J. A. Craig	168,142	Sept. 28, 1875	740	{ 8	8	534
Roofing composition	B. St. Jean	162,593	Apr. 27, 1875	876	{ 7	7	710
Roofing composition	L. P. Teed	169,385	Nov. 2, 1875	62	{ 8	8	743
Roofing composition	E. Thayer	164,233	June 8, 1875	371	{ 7	7	992
Roofing composition, Fire-proof	E. Kunzendorf	161,689	Apr. 6, 1875	86	{ 30	7	581
Roofing, Fire-proof	P. G. Tyrrell	163,551	May 18, 1875	792	{ 251	7	873
Roofing material	D. McDaniel	164,749	June 22, 1875	866	{ 282	7	1075
Roofing, Metallic	G. Crowl	162,461	Apr. 27, 1875	836	{ 269	7	705
Roofing, Metallic	S. T. G. Morsell	165,113	June 29, 1875	1212	{ 390	7	1128
Roofing, Securing flexible	J. Perry	166,296	Aug. 3, 1875	102	{ 32	8	214
Roofing-slates, Machine for trimming and punching	E. R. Davis	171,358	Dec. 21, 1875	687	{ 226	8	1057
Roofing-tile	J. M. Lewis	160,445	Mar. 2, 1875	168	{ 58	7	372
Roofing-tile	G. Mauvel	162,836	May 4, 1875	90	{ 30	7	759
Roofing-tile	S. Mills	161,538	Mar. 30, 1875	1232	{ 397	7	548
Roofing-tile	L. Parker	164,203	June 8, 1875	343	{ 117	7	988
Rope and cordage machine	L. E. Higby	158,491	Jan. 5, 1875	125	{ 42	7	26
Rope-stretcher	C. C. Curtiss	166,753	Aug. 17, 1875	558	{ 171	8	295
Rope traction-way, Endless	A. S. Hallidie	163,865	June 1, 1875	26	{ 8	7	934
Ropes, Tube for forming	J. Rinek	170,595	Nov. 30, 1875	1265	{ 398	8	933
Rose-sprinkler	W. T. Vose	166,164	July 27, 1875	1025	{ 315	8	186
Rotary engine	L. Adams	167,489	Sept. 7, 1875	93	{ 29	8	419
Rotary engine	O. Adams	158,664	Jan. 12, 1875	294	{ 99 100 232 233	7	65
Rotary engine	J. V. Beekman	159,066	Jan. 26, 1875	707	{ 232 233	7	143
Rotary engine	J. W. Blodgett	170,512	Nov. 30, 1875	1184	{ 373	8	923
Rotary engine	O. Burnett	163,572	May 25, 1875	823	{ 200	7	885
Rotary engine	H. Cottrell	161,207	Mar. 23, 1875	890	{ 212	7	496
Rotary engine	D. A. Deming and S. W. Wicks	159,023	Jan. 26, 1875	673	{ 219	7	138
Rotary engine	G. T. Ellis	161,218	Mar. 23, 1875	904	{ 296	7	498
Rotary engine	J. S. Fairfax	158,579	Jan. 12, 1875	215	{ 73	7	54
Rotary engine	E. Frank	158,697	Jan. 12, 1875	321	{ 109	7	69
Rotary engine	S. Gibson	165,559	July 13, 1875	420	{ 127	8	75
Rotary engine	G. D. Harwood	168,837	Oct. 19, 1875	505	{ 165 166	8	652
Rotary engine	W. Haven	170,365	Nov. 23, 1875	1028	{ 322	8	894
Rotary engine	D. S. Jones	262,561	Apr. 27, 1875	922	{ 296	7	716
Rotary engine	C. H. Kurtz	171,573	Dec. 28, 1875	904	{ 296	8	1095
Rotary engine	E. D. Lyon	159,520	Feb. 9, 1875	2-4	{ 92	7	231
Rotary engine	W. Lyon	168,035	Sept. 21, 1875	666	{ 195	8	509
Rotary engine	H. Reily and P. G. Waldo	168,184	Sept. 28, 1875	774	{ 215 246	8	539
Rotary engine	C. F. Roth and E. G. Barker	167,692	Sept. 14, 1875	286	{ 91	8	454
Rotary engine	W. B. Scott	162,711	Apr. 27, 1875	1065	{ 339	7	734
Rotary engine	W. M. Stevenson	167,134	Aug. 24, 1875	929	{ 290	8	356
Rotary engine	A. Streean and D. Miller	167,603	Sept. 14, 1875	391	{ 125	8	460
Rotary engine	T. E. Stuart and J. A. Emery	164,337	June 8, 1875	470	{ 155 156	7	1005
Rotary engine	J. C. Titus	168,114	Sept. 28, 1875	707	{ 233	8	529
Rotary engine	A. B. Vandemark	167,367	Aug. 31, 1875	1158	{ 364 365	8	395
Rotary engine	I. Van Kersen	169,603	Nov. 2, 1875	364	{ 85	8	770
Rotary engine	J. W. Vanorder and G. Savage	167,808	Sept. 14, 1875	399	{ 128	8	470
Rotary engine	W. Weyhe	165,772	July 20, 1875	627	{ 193	8	120
Rotary engine	H. G. Wood	162,875	May 4, 1875	125	{ 41	7	763
Rotary engine and meter	J. A. Stenbeyg	161,900	Apr. 13, 1875	292	{ 98	7	622
Rotary-engine bucket-wheel	B. T. Babbitt	170,328	Nov. 23, 1875	1001	{ 314	8	890
Rotary press	W. K. Daniels	170,436	Nov. 30, 1875	1113	{ 350	8	913
Rotary steam-engine	C. W. Floeckher	171,526	Dec. 28, 1875	887	{ 290	8	1003
Rotary steam-engine	J. C. Clime	169,269	Oct. 26, 1875	923	{ 299	8	717
Roundabout	J. C. Clime	162,032	Apr. 13, 1875	392	{ 132	7	635
Roundabout	L. Schaeffer	167,941	Sept. 21, 1875	530	{ 166	8	496
Rowing-exercise machine	G. W. Moore	161,629	Apr. 6, 1875	35	{ 13	7	574
Rowlock	F. E. Davis	166,193	Aug. 3, 1875	11	{ 4	8	200
Rowlock	M. F. Davis	165,072	June 29, 1875	1175	{ 378	7	1123
Rowlock	J. S. Dougherty	168,000	Sept. 21, 1875	568	{ 183	8	561
Rowlock	F. D. Graves	169,537	Nov. 2, 1875	191	{ 66	8	761
Rubber articles	H. P. Dumble and T. C. Lothrop	170,941	Dec. 14, 1875	272	{ 91	8	994
Rubber-coated bag	W. D. Grimshaw	160,897	Mar. 16, 1875	604	{ 197	7	449
Rubber-coated fabric	W. Cable	166,256	Aug. 3, 1875	66	{ 8	8	208

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Rubber-dam clamp	F. Hickman	158, 376	Jan. 5, 1875	22	8	7	11
Rubber-dam tension-weight	T. G. Lewis	160, 004	Mar. 9, 1875	324	109	7	404
Rubber from waste, Extracting	M. W. Beylikgy	162, 129	Sept. 28, 1875	723	228	8	531
Rubber, Hard	R. I. Patterson	163, 688	May 25, 1875	923	233	7	899
Rubber spring	D. R. Pratt	170, 290	Nov. 30, 1875	1260	396	8	933
Rudder for booms, Sheer	L. W. Pead	160, 347	Mar. 2, 1875	80	28	7	360
Rudder-post bearing	J. N. Bittng, sr	163, 736	May 25, 1875	958	303	7	903
Rudders, Hanging	R. B. McEntire	161, 140	Mar. 23, 1875	837	273	7	488
Ruffler	J. McCullough	158, 428	Jan. 5, 1875	65	23	7	18
Ruffler	E. Powell	159, 963	Feb. 16, 1875	693	230	7	292
Rule, Measuring	G. S. Hastings	160, 304	Mar. 16, 1875	610	199	7	450
Rule, Registering board	W. M. Bullock	165, 659	July 20, 1875	528	161	8	105
Rule, Stair-builder's	J. J. Robinson	160, 471	Mar. 2, 1875	192	66	7	376
Ruler	H. and T. H. Belcher	159, 294	Feb. 2, 1875	46	17	7	191
Ruler	G. W. Cresscup	161, 761	Apr. 6, 1875	147	51	7	590
Ruler	H. J. Richardson	166, 938	Aug. 24, 1875	742	230	8	330
Ruler, Parallel	H. Andrews	158, 452	Jan. 5, 1875	85	30	7	21
Ruler, Parallel	J. D. Hall	170, 257	Nov. 23, 1875	938	293	8	880
Ruler, Parallel	J. M. Taylor	166, 320	Aug. 3, 1875	121	38	8	217
Rolling machine, Paper	T. F. Collins	159, 018	Jan. 26, 1875	668	218	7	137
Rolling machine, Paper	W. O. Hickok	263, 777	May 25, 1875	999	317	7	908
Rolling machine, Paper	J. Stowart	167, 859	Sept. 21, 1875	458	144	8	486
Running-gear	H. Backer	164, 129	June 8, 1875	277	95	7	979
Running-gear	J. Becker, jr.	158, 667	Jan. 12, 1875	297	100	7	65
Running-gear	G. Burge	168, 136	Sept. 28, 1875	733	231	8	532
Runoing-gear	L. D. Hurd	170, 558	Dec. 7, 1875	179	61	8	974
Running-gear	L. C. A. Schmidt	168, 586	Oct. 11, 1875	270	88	8	609
S.							
Saccharine-liquid elevator	E. P. Latce	169, 712	Nov. 9, 1875	393	123	8	794
Saccharine-liquid evaporator	T. Scantlin	162, 636	Apr. 27, 1875	1049	334	7	732
Sack-holder	J. L. Millhiser	166, 128	July 27, 1875	988	305	8	181
Sack-holder, Adjustable	H. W. Clark	165, 982	July 27, 1875	850	261	8	161
Sack-holder, Adjustable	H. W. Clark	169, 959	Nov. 16, 1875	640	200	8	833
Sacks, Shaping-block for fur	J. Glass	161, 607	Apr. 6, 1875	16	7	7	571
Saddle, Cart	P. McFadden	165, 848	July 20, 1875	709	216	8	130
Saddle, Gig	A. Ortmyer	162, 095	Apr. 13, 1875	448	149	7	642
Saddle, Harness	H. H. Hallett	165, 165	July 6, 1875	18	6	8	11
Saddle, Harness	C. Kenny	163, 321	May 18, 1875	579	185	7	846
Saddle, Harness	J. P. Knorr	167, 544	Sept. 7, 1875	145	45	8	426
Saddle, Harness	J. Maclure	170, 870	Dec. 7, 1875	169	64, 65	8	976
Saddle, Harness	J. Maclure	170, 871	Dec. 7, 1875	199	65	8	976
Saddle, Harness	A. V. Sargeant	164, 772	June 22, 1875	882	288	7	1078
Saddle, Harness	J. W. Schwancr	170, 774	Dec. 7, 1875	110	35	8	965
Saddle, Harness	A. Teas	170, 916	Dec. 7, 1875	239	79	8	981
Saddle-horse apparatus	A. Hitt	160, 322	Mar. 2, 1875	61	22	7	357
Saddle, Pad	S. Herr	170, 559	Nov. 30, 1875	1227	366	8	929
Saddle, Riding	C. H. Harris	161, 785	Apr. 6, 1875	167	57	7	53
Saddle, Riding	R. Reiman	161, 824	Apr. 6, 1875	207	70	7	598
Saddle, Riding and pack	G. E. Albee	163, 973	July 27, 1875	839	258	8	160
Saddle, Spring	C. H. Harris	163, 769	May 25, 1875	992	314	7	907
Saddle-tree	H. Crnikslaak	168, 145	Sept. 28, 1875	742	231	8	574
Saddle-tree	P. B. Horton	160, 196	Feb. 23, 1875	915	301	7	330
Saddle tree, Gig	A. Ortmyer	168, 844	Oct. 19, 1875	512	168	8	633
Saddle tree, Harness	A. Teas	166, 907	Aug. 17, 1875	699	217	8	315
Sad-iron	S. Elhott	165, 160	July 6, 1875	13	4	8	10
Sad-iron	T. J. Ellyson and A. O. Askew	162, 808	May 4, 1875	68	22	7	755
Sad-iron	E. M. Harris and M. H. O'Neil	165, 821	July 20, 1875	684	209	8	176
Sad-iron	T. F. McEay and E. C. McClain	163, 225	May 11, 1875	468	151	7	816
Sad-iron	J. M. McMaster	160, 931	Mar. 16, 1875	635	207	7	452
Sad-iron	A. L. Pareille	170, 763	Dec. 7, 1875	102	32	8	964
Sad-iron	H. R. Robbins	168, 030	Sept. 21, 1875	625	200	8	512
Sad-iron	O. Swift	169, 496	Nov. 2, 1875	155	51	8	756
Sad-iron	T. D. West	168, 559	Oct. 19, 1875	524	172	8	655
Sad-iron	J. M. Whiting	160, 068	Feb. 23, 1875	811	266	7	315
Sad-iron handle	J. Webster	162, 981	May 4, 1875	230	71	7	777
Sad-iron heater	J. S. Bitler	164, 513	June 15, 1875	645	239	7	1036
Sad-iron heater	G. W. Cottingham	167, 389	Sept. 7, 1875	9	3	8	408
Sad-iron holder	M. E. Hildreth	158, 841	Jan. 19, 1875	472	158	7	105
Sad-iron, Reversible	T. T. Smothers	166, 421	Aug. 3, 1875	223	67	8	230
Sad-iron, Self-heating	R. H. Hasenritter	163, 312	May 18, 1875	572	183	7	845
Sad-iron shoe	E. Hartsig	163, 487	May 18, 1875	729	232	7	806
Sad-iron shoe	V. C. Theband	168, 937	Oct. 19, 1875	598	197	8	665
Sad-irons, Uniting handles to	W. J. Reagan	158, 521	Jan. 5, 1875	150	50	7	30
Safe	G. Damen	159, 565	Feb. 9, 1875	318	104	7	236
Safe and vault door	N. Briggs	169, 337	Nov. 2, 1875	14	4	8	736
Safe and vault door lock	J. Sargent	165, 370	July 6, 1875	210	63	8	37
Safe and vault doors, Bolt-works for	J. Naylor, jr., and E. Brooks	165, 752	July 20, 1875	608	187	8	117
Safe, Burglar-proof	E. R. Morse	169, 567	Nov. 2, 1875	228	75	8	765
Safe-cabinet, Movable	W. J. Barnes	159, 380	Feb. 2, 1875	124	43	7	201
Safe, Cheese	W. P. Quackenbush	160, 467	Mar. 2, 1875	188	65	7	375
Safe-deposit box	W. H. Butler	159, 897	Feb. 16, 1875	635	210	7	281
Safe-door	J. Farrell	161, 675	Apr. 6, 1875	75	27	7	580
Safe-door	N. Macneale	165, 599	July 13, 1875	456	138	8	80
Safe-door	E. H. Walton and M. Hemler	168, 118	Sept. 28, 1875	712	225	8	530
Safe-doors, Bolt-works for	W. H. Butler	159, 791	Feb. 16, 1875	536	179	7	271
Safe, Fire-escape	T. Hackett and J. C. Crounse	160, 181	Feb. 23, 1875	905	298	7	329
Safe, Fire-proof	T. Hyatt	166, 107	July 27, 1875	968	298	8	178
Safe, &c., Fire-proof	W. A. Shepard	163, 614	May 25, 1875	865	272	7	891
Safe, Kitchen	J. B. Harrison	169, 697	Nov. 9, 1875	380	119	8	792
Safe, Milk	J. E. Pool	160, 227	Feb. 23, 1875	913	310	7	331
Safe, Multiple	J. C. Hiltz	164, 172	June 8, 1875	317	107	7	985



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Safe, Provision	C. D. Harb	171, 279	Dec. 21, 1875	620	{ 202 203	8	1048
Safe, vault, and other doors, Bolt for	J. Sargent	161, 283	Mar. 23, 1875	972	318	7	506
Safety-pin	P. M. Doughty	163, 304	May 18, 1875	566	181	7	844
Safety-pin	N. H. Furness and S. Wales	160, 013	Feb. 23, 1875	762	252	7	309
Safety-pin	S. F. Merritt	159, 341	Feb. 2, 1875	94	23	7	197
Safety-pin	N. M. Phillips	171, 529	Dec. 28, 1875	865	283	8	1059
Safety-pin	A. Shedlock	166, 481	Aug. 10, 1875	3	90	8	249
Safety-pocket	J. Colton	168, 376	Oct. 5, 1875	51	18	8	572
Safety-switch rod	D. Rowe	164, 398	June 15, 1875	544	178	7	1023
Sail-bending hook	E. D. Rankin	170, 966	Dec. 14, 1875	300	{ 99 160	8	998
Sail-reefing device	J. Whittington	164, 242	June 8, 1875	378	129	7	993
Sails, Means of reefing and furling	E. Rawley	168, 414	Oct. 5, 1875	86	30	8	577
Sails, Reefing	I. Solomon	163, 819	May 23, 1875	1031	328	7	914
Sails, Reefing and furling gaff-top	B. P. Lecraw	167, 911	Sept. 21, 1875	499	152	8	492
Sails to spars, Metallic roband for attaching	H. B. Stephenson	160, 795	Mar. 16, 1875	523	168	7	438
Salesman's seat	S. D. Stollers	169, 581	Nov. 2, 1875	60	17	8	743
Salt and pepper box, Combined	G. H. Lomax	169, 363	Nov. 2, 1875	44	13	8	740
Salt and pepper box top	G. D. Paul	110, 346	Mar. 2, 1875	79	28	7	360
Salt and sugar, Process and apparatus for manufacturing.	J. E. Weaver and W. S. Colwell	170, 791	Dec. 7, 1875	124	40, 41	8	967
Salt apparatus	S. Lewis	170, 005	Nov. 16, 1875	679	213	8	838
Salt apparatus, Removing calcareous deposits from the exterior of tubes in.	W. P. Halliday	167, 521	Sept. 7, 1875	129	39	8	424
Salt-brine, Purifying and concentrating	W. Harrison	161, 412	Mar. 30, 1875	1111	359	7	532
Sample-box	M. K. Butterfield and A. D. Holliday	168, 448	Oct. 5, 1875	113	38	8	581
Sample-holder, Revolving	J. H. Preater	165, 366	July 6, 1875	202	61	8	26
Sand and gravel drier	S. S. Daisb	169, 895	Nov. 16, 1875	587	182	8	926
Sand and gravel heater	J. M. Perkins	170, 894	Dec. 7, 1875	210	73	8	979
Sand and gravel separator	N. J. Keller	163, 382	May 18, 1875	633	203	7	853
Sand paper-roll	O. Gilmore	166, 360	Aug. 3, 1875	157	49	8	322
Sand papering-machine	V. Hepp	159, 574	Feb. 9, 1875	324	106	7	237
Sand papering-machine	H. W. Merril	159, 953	Feb. 16, 1875	684	227	7	291
Sand papering-machine	O. Sawyer	165, 762	July 20, 1875	616	190	8	118
Sash and blind fastener combined.	J. Christie	160, 509	Mar. 9, 1875	242	83	7	392
Sash-balance	J. Berndt	160, 145	Feb. 23, 1875	873	288	7	325
Sash-balance	H. Cutting	170, 249	Nov. 23, 1875	923	287	8	878
Sash-balance	T. I. Dale	163, 920	June 1, 1875	68	23	7	940
Sash-balance	E. H. Hannum	166, 363	Aug. 3, 1875	160	49	8	222
Sash-balance	E. Johnson	164, 003	June 1, 1875	137	48	7	949
Sash-balance	W. J. Lewis	167, 677	Sept. 14, 1875	275	86	8	452
Sash-balance	J. J. Price	163, 407	May 18, 1875	656	210	7	856
Sash-balance	T. J. W. Robertson	164, 038	June 1, 1875	171	61	7	954
Sash-head fastener, Window	J. W. Lipp	170, 417	Nov. 23, 1875	1079	340	8	900
Sash-cord fastener	J. F. Collins	166, 503	Aug. 10, 1875	317	96	8	251
Sash-cord fastener	H. N. Connor	167, 744	Sept. 14, 1875	332	106	8	460
Sash-fastener	G. B. Adams	159, 880	Feb. 16, 1875	619	204	7	282
Sash-fastener	C. L. Alexander	169, 222	Oct. 26, 1875	879	286	8	712
Sash-fastener	S. D. Arnold	161, 652	Apr. 6, 1875	55	20	7	577
Sash-fastener	E. B. Beach	167, 976	Sept. 21, 1875	547	176	8	500
Sash-fastener	B. A. Berryman	166, 842	Aug. 17, 1875	634	198	8	37
Sash-fastener	J. Bittenbender	171, 262	Dec. 21, 1875	606	198	8	1046
Sash-fastener	E. K. Breckenridge	162, 614	Apr. 27, 1875	965	310	7	722
Sash-fastener	E. K. Breckenridge	170, 047	Nov. 16, 1875	716	237	8	844
Sash-fastener	E. W. Brettell	167, 822	Sept. 21, 1875	422	134	8	481
Sash-fastener	W. Brown	165, 300	July 6, 1875	141	43	8	28
Sash-fastener	W. Buechley and T. Thorn	161, 655	Apr. 6, 1875	58	21	7	577
Sash-fastener	T. J. Carroll	161, 929	Apr. 13, 1875	313	105	7	624
Sash-fastener	J. Christie	158, 780	Jan. 19, 1875	414	139	7	98
Sash-fastener	J. K. Clark	162, 031	Apr. 13, 1875	391	132	7	634
Sash-fastener	J. R. Dewcse	170, 472	Nov. 30, 1875	1146	361	8	918
Sash-fastener	E. G. Felthousen	161, 020	Mar. 23, 1875	722	237	7	474
Sash-fastener	B. Fischer	170, 723	Dec. 7, 1875	63	19	8	959
Sash-fastener	C. B. Gardiner	164, 827	June 22, 1875	939	303	7	1084
Sash-fastener	J. E. Gillespie and G. Coffin	163, 008	May 11, 1875	270	88	7	799
Sash-fastener	W. Horbort	159, 672	Feb. 9, 1875	414	137	7	249
Sash-fastener	H. A. House	163, 201	May 11, 1875	451	146	7	813
Sash-fastener	J. H. Husted	160, 525	Mar. 9, 1875	256	87	7	394
Sash-fastener	M. Judd	163, 079	May 11, 1875	337	110	7	798
Sash-fastener	A. Long	164, 571	June 15, 1875	694	225	7	1043
Sash-fastener	A. C. Manning	164, 465	June 15, 1875	606	196	7	1031
Sash-fastener	G. H. Metz	161, 050	Mar. 23, 1875	747	246	7	478
Sash-fastener	P. Meyer	164, 750	June 22, 1875	867	282	7	1075
Sash-fastener	G. G. Nodde	169, 030	Oct. 19, 1875	684	225	8	677
Sash-fastener	R. L. Pruyn	167, 935	Sept. 21, 1875	516	165	8	496
Sash-fastener	P. T. Share	167, 621	Sept. 14, 1875	229	71	8	445
Sash-fastener	L. H. Stoddard	169, 494	Nov. 2, 1875	154	51	8	756
Sash-fastener	W. B. Swallow	164, 884	June 22, 1875	995	321	7	1091
Sash-fastener	J. Thorman	166, 485	Aug. 10, 1875	303	91	8	249
Sash-fastener	J. S. Wallace	162, 592	Apr. 27, 1875	948	305	7	720
Sash-fastener	T. Wilson	163, 040	May 11, 1875	303	97	7	794
Sash-fastener	J. N. Withers	159, 994	Feb. 16, 1875	723	241	7	296
Sash-fastener	I. D. Woolf	162, 000	Apr. 13, 1875	367	123	7	631
Sash-fastener, Ventilating	A. C. Manning	164, 466	June 15, 1875	607	{ 196 197	7	1031
Sash-fastening	C. J. Snow	179, 365	Feb. 2, 1875	112	39	7	200
Sash-holder	F. A. Batten	160, 047	Feb. 23, 1875	791	261	7	312
Sash-holder	W. B. Blackman	163, 727	May 25, 1875	959	304	7	903
Sash-holder	R. R. Calkins	163, 635	May 25, 1875	883	278	7	893
Sash-holder	J. E. Frost and J. Merrill	169, 431	Nov. 2, 1875	101	32	8	749
Sash-holder	F. R. Glascock	158, 933	Jan. 19, 1875	562	186	7	116
Sash-holder	R. B. Hugunin	158, 495	Jan. 5, 1875	129	43	7	27
Sash-holder	S. Lewis	169, 011	Oct. 19, 1875	665	218	8	674

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Sash-holder	P. Lugenbell	170,867	Dec. 7, 1875	187	64	2	976
Sash-holder	H. T. Milchsack	171,526	Dec. 28, 1875	832	282	2	1089
Sash-holder	P. Mullane	165,856	July 20, 1875	719	219	2	131
Sash-holder	H. C. Perry	159,212	Jan. 26, 1875	842	275	7	162
Sash-holder	H. C. Perry	170,586	Nov. 30, 1875	1253	394	2	932
Sash-holder	W. H. Plympton	165,945	July 27, 1875	815	250	2	136
Sash-holder	S. M. Pratt	166,508	Aug. 17, 1875	696	188	2	302
Sash-holder	L. Quitman	160,712	Mar. 9, 1875	420	140	7	417
Sash-holder	J. W. Keycroft	160,470	Mar. 2, 1875	191	66	7	376
Sash-holder	O. Rock	165,759	July 20, 1875	614	189	2	118
Sash-holder	J. Stanifer	167,949	Sept. 21, 1875	536	168	497	
Sash-holder	J. Sweet	160,554	Mar. 9, 1875	280	95	392	
Sash-holder	H. Torrey and D. Lyman	170,131	Nov. 16, 1875	797	252	554	
Sash-holder	T. Walker	162,979	May 4, 1875	229	74	777	
Sash-holder	J. B. Willford	160,735	Mar. 9, 1875	443	146	420	
Sash-holder	J. B. Willford	168,797	Oct. 11, 1875	370	121	625	
Sash-holder and curtain-fixtue, Combined	J. Weathers	167,144	Aug. 24, 1875	940	293	8	357
Sash-lift	J. Sweet	171,249	Dec. 21, 1875	593	194	8	1044
Sash opening and closing mechanism	G. A. Lincoln	158,850	Jan. 19, 1875	479	161	7	106
Sash lighter, Window	J. Benson	167,635	Sept. 14, 1875	240	75	8	447
Sash-weight	E. J. Sprague	161,564	Mar. 30, 1875	1257	405	7	551
Sash, Window	W. W. Evans	170,834	Dec. 7, 1875	160	534	8	972
Sash, Window	L. P. Haradou	164,836	June 22, 1875	947	307	7	1085
Sash, Window	W. Kreitzer	161,342	Mar. 30, 1875	1042	339	7	523
Satchel, Knitting	C. McFadden	158,959	Jan. 19, 1875	587	195	7	119
Sausage-machine	J. L. Bean	164,416	June 15, 1875	563	183	7	1026
Sausage-machine	D. J. Howenstine	164,741	June 22, 1875	859	279	7	1074
Sausage-machine	H. P. Rankin	171,631	Dec. 28, 1875	975	316	8	1104
Sausage meat mixer	J. E. Smith	167,031	Aug. 24, 1875	830	259	8	342
Saw	C. A. Brown and C. E. Sedore	165,152	July 6, 1875	6	2	8	9
Saw	W. P. Miller	168,338	Oct. 5, 1875	19	7	8	567
Saw attachment, Cross-cut.	A. H. Riley	163,256	May 11, 1875	499	162	7	819
Saw, Band	A. Newhall	161,263	Mar. 23, 1875	955	311	7	504
Saw, Band	G. F. Wood	167,721	Sept. 14, 1875	312	99	8	457
Saw-bench, Adjustable	D. H. Rice and J. W. Markland	160,350	Mar. 2, 1875	82	29, 30	7	360
Saw-buck	G. Collins	162,799	May 4, 1875	60	19	7	755
Saw-buck	H. Disston	169,343	Nov. 2, 1875	19	6	8	737
Saw-buck	R. C. Hayton and C. A. Hurlburt	164,556	June 15, 1875	681	221	7	1041
Saw-bucks, Wood-holder for	S. Hollingsworth	167,667	Sept. 14, 1875	267	83	8	451
Saw, Bull	E. Brown	163,256	May 18, 1875	555	178	7	843
Saw-burring tool	F. J. Martin	159,593	Feb. 9, 1875	338	112	7	239
Saw, Butcher's	W. Millsbaugh	170,181	Nov. 23, 1875	870	272	8	871
Saw-clamp	S. P. Babcock	158,451	Jan. 5, 1875	90	31	8	22
Saw, Cross cut	J. E. Emerson	170,833	Dec. 7, 1875	159	53	7	972
Saw, Cylinder	J. M. Peirce and F. M. Kinsman	166,718	Aug. 17, 1875	527	161	8	290
Saw, Drag	H. H. Miller	165,749	July 20, 1875	605	186	8	117
Saw-filing machine	F. W. Benjamin	159,641	Feb. 9, 1875	364	121	7	213
Saw-filing machine	W. B. Bizzell	163,970	June 1, 1875	108	37	7	946
Saw-filing machine	J. Cleveland	158,470	Jan. 5, 1875	106	35, 36	7	21
Saw-filing machine	T. Doyle	162,356	Apr. 20, 1875	709	230	7	681
Saw filing machine	F. W. Lotts	169,912	Nov. 16, 1875	603	187	8	828
Saw-filing machine	J. McSwenny	163,326	May 18, 1875	585	182	7	847
Saw-filing machine	J. A. Wilson and E. D. Noble	164,834	May 25, 1875	1048	332	7	915
Saw for cutting stone, Diamond	H. Rung	168,786	Oct. 11, 1875	449	146	8	636
Saws for sawing stone, Inserting diamonds into	J. E. Emerson	167,882	Sept. 21, 1875	476	151	8	429
Saw-frame	W. Clemson	159,562	Feb. 9, 1875	316	103	7	225
Saw-frame	W. Hankin	164,449	June 15, 1875	593	192	7	1029
Saw frame, Band	N. T. Edson	159,807	Feb. 16, 1875	552	184	7	273
Saw frame, Buck	C. A. Hurlburt	165,059	June 29, 1875	1202	386	7	1126
Saw frame, Buck	P. B. Towle	168,194	Sept. 28, 1875	783	249	8	540
Saw frame, Fret	O. Evans	162,810	May 4, 1875	70	21	7	756
Saw-guard	D. Graves and C. O. Howes	162,814	May 4, 1875	72	21	7	756
Saw-guide	G. M. Hinkley	164,301	June 8, 1875	438	145	7	1001
Saw guide, Band	L. K. Young and C. M. Ferguson	165,523	July 13, 1875	387	115	6	60
Saw guide, Circular	J. Bryce and O. Grogberg	170,520	Nov. 30, 1875	1189	375	8	924
Saw-gummer	H. J. Cordesman, jr	160,395	Mar. 2, 1875	121	44	7	366
Saw-gummer	T. S. Disston	163,161	May 11, 1875	414	135	7	809
Saw-gummer	G. W. Griswold	159,318	Feb. 2, 1875	76	25	7	194
Saw-gummer	J. W. and T. Parker	171,039	Dec. 14, 1875	360	120	8	1006
Saw-gummer	D. Sattler	161,537	Mar. 30, 1875	1247	401	6	530
Saw-gummer	M. O. Smith	166,313	Aug. 3, 1875	117	36	8	216
Saw-gummer	S. L. Tibbals	158,756	Jan. 12, 1875	369	126	7	76
Saw gumming and setting machine	H. A. Kimball	168,162	Sept. 28, 1875	757	241	8	537
Saw-gumming machine	H. Banghuan	169,508	Nov. 2, 1875	166	55	8	778
Saw-gumming machine	J. M. Smith	166,727	Aug. 17, 1875	534	164	8	291
Saw, Hand	H. Disston	158,921	Jan. 19, 1875	551	183	7	115
Saw, Hand	H. Disston	167,996	Sept. 21, 1875	562	181	8	503
Saw-handle	E. Andrews	159,140	Jan. 26, 1875	771	251	7	152
Saw-handle	A. C. Martin	163,325	May 18, 1875	585	177	7	847
Saw handle, Cross cut	E. Andrews	165,051	June 29, 1875	1156	372	7	1120
Saw handle, Cross cut	E. C. Atkins	171,337	Dec. 21, 1875	668	220	8	1054
Saw handle, Cross cut	W. J. Boynton	162,022	Apr. 13, 1875	384	129	7	633
Saw handle, Cross cut	J. L. Edgar	168,003	Sept. 21, 1875	570	184	8	501
Saw handle, Cross cut	J. E. Emerson	161,105	Mar. 23, 1875	804	264	7	485
Saw handle, Cross cut	W. Millsbaugh	170,961	Dec. 14, 1875	289	97	8	997
Saw handle, Cross cut	L. Shepard	168,421	Oct. 5, 1875	90	31	8	578
Saw handle, Cross cut	W. K. Stansbury	158,537	Jan. 5, 1875	162	55	7	31
Saw handle, Cross cut	C. M. Tanner	168,590	Oct. 11, 1875	274	89	8	610
Saw handle, Cross cut	C. M. Tanner	170,970	Dec. 14, 1875	304	101	8	998
Saw, Jig	S. B. Fuller	165,162	July 6, 1875	14	5	8	11
Saw, Jig	C. M. Hayden	159,412	Feb. 2, 1875	154	52	7	206
Saw, Jig	E. J. Wescott	160,043	Feb. 23, 1875	787	259	7	312
Saw, Jig	G. S. Williams	161,583	Mar. 30, 1875	1274	410	7	533
Saw jointer and gage	R. E. Poindexter	161,762	June 22, 1875	876	285	7	1077

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Saw jointing and dressing machine, Circular	W. Potter	168, 580	Oct. 11, 1875	264	86	8	609
Saw-mill	G. F. Bollovs	159, 999	Feb. 23, 1875	746	247	7	307
Saw-mill	H. D. Hall	158, 703	Jan. 12, 1875	327	111	7	70
Saw-mill	C. Lindner	159, 589	Feb. 9, 1875	335	111	7	239
Saw-mill	L. W. Pond	160, 348	Mar. 2, 1875	81	28	7	360
Saw-mill	D. C. Prescott	161, 332	Mar. 30, 1875	1050	342	7	524
Saw-mill	A. Rodgers	163, 259	May 11, 1875	502	163	7	820
Saw-mill	A. Rodgers	171, 173	Dec. 14, 1875	492	162	8	1023
Saw-mill	W. T. Wayne	165, 521	July 13, 1875	386	115	8	69
Saw mill, Circular	F. M. Covell	161, 935	Apr. 13, 1875	318	106	7	625
Saw mill, Circular	C. M. Fairbanks	162, 279	Apr. 20, 1875	637	208	7	673
Saw mill, Circular	J. W. Miles	162, 088	Apr. 13, 1875	441	147	7	641
Saw mill, Circular	D. Rawson	166, 170	July 27, 1875	1031	317	8	187
Saw-mill dog	W. M. Ferry	158, 693	Jan. 12, 1875	318	108	7	69
Saw mill, Gang	F. E. Town	161, 299	Mar. 23, 1875	985	322	7	508
Saw-mill head-block	T. Dilger and W. R. Dunn	167, 511	Sept. 7, 1875	114	36	8	422
Saw-mill head-block	C. R. Ely	163, 309	May 18, 1875	569	182	7	815
Saw-mill head-block	W. Glue	163, 473	May 18, 1875	711	228	7	864
Saw-mill head-block	J. R. Jackson	158, 496	Jan. 5, 1875	131	43	7	27
Saw-mill head-block	J. Osgood	160, 116	Feb. 23, 1875	849	279	7	321
Saw-mill head-block	G. M. Pelton	167, 194	Aug. 31, 1875	1008	313	8	374
Saw-mill head-block	R. P. Perry and O. S. Mote	166, 222	Aug. 3, 1875	35	11	8	204
Saw-mill head-block	L. W. Pond	165, 946	July 27, 1875	815	250	8	156
Saw-mill head-block	A. Rodgers	161, 279	Mar. 23, 1875	968	316	7	506
Saw-mill head-block	N. Shaw	161, 066	Mar. 23, 1875	759	251	7	479
Saw-mill head-block	F. N. Whitcomb and D. Rawson	159, 236	Jan. 26, 1875	862	281	7	185
Saw-mill head-block	F. N. Whitcomb	160, 982	Mar. 16, 1875	679	223	7	460
Saw-mill head-block	F. N. Whitcomb	160, 983	Mar. 16, 1875	681	223	7	460
Saw-mill head-block	S. White	171, 494	Dec. 28, 1875	832	273	8	1085
Saw-mill set-work	J. W. Stoloe	161, 294	Mar. 23, 1875	981	321	7	507
Saw, Scroll	J. M. Bongler	160, 144	Feb. 23, 1875	872	288	7	325
Saw, Scroll	W. H. Briggs	170, 048	Nov. 16, 1875	717	227	8	844
Saw-set	F. C. Barber	170, 657	Dec. 7, 1875	4	1	8	951
Saw-set	W. Burgess	169, 444	Oct. 26, 1875	811	293	8	702
Saw-set	H. Disson	163, 162	May 11, 1875	414	135	7	809
Saw-set	G. N. Gove	171, 375	Dec. 21, 1875	701	231	8	1050
Saw-set	R. J. Grauville	161, 950	Apr. 13, 1875	338	110	7	626
Saw-set	H. Heinicke	159, 413	Feb. 2, 1875	155	52	7	206
Saw-set	A. E. Hoffmann	165, 332	July 6, 1875	172	52	8	32
Saw-set	J. B. Titus	159, 979	Feb. 16, 1875	709	235	7	294
Saw-set	J. E. Whiting	165, 464	July 13, 1875	338	99	8	61
Saw-setting device	L. A. Greely	166, 522	Aug. 10, 1875	332	101	8	254
Saw setting, filing, and jointing device	W. Bryson	162, 796	May 4, 1875	58	19	7	751
Saw-setting machine	R. Hensch and L. Beyer	163, 776	May 25, 1875	998	316	7	908
Saw-sharpener	J. and J. A. Crook	158, 404	Jan. 5, 1875	46	16	7	15
Saw sharpener, Gin	J. Mizell and J. Revell	158, 964	Jan. 19, 1875	590	196	7	120
Saw-sharpening machine	P. D. Burgher	163, 974	June 1, 1875	112	38	7	946
Saw-sharpening machine	P. D. Burgher	164, 068	June 1, 1875	200	72	7	958
Saw-sharpening machine	J. L. Knowlton	162, 392	Apr. 20, 1875	747	243	7	686
Saw-sharpening machine	J. A. Miller	164, 470	June 15, 1875	610	197	7	1032
Saw-teeth	W. P. Hale	162, 061	Apr. 13, 1875	431	140	7	638
Saw teeth, Circular	A. F. Diamond	171, 604	Dec. 28, 1875	932	305	8	1099
Saw-teeth, Insertible	E. Smith	162, 319	Apr. 20, 1875	672	219	7	677
Saw-teeth swaging and setting device	M. J. Rahilly	163, 252	May 11, 1875	496	161	7	819
Saw wheel, Band	F. Gleason	165, 323	July 6, 1875	165	50	8	31
Saws, Rest for hardening and tempering circular	A. Schulte	168, 927	Oct. 19, 1875	590	195	8	664
Sawing-machine	S. W. C. Adams	170, 797	Dec. 7, 1875	130	43	8	963
Sawing-machine	E. Benjamin	165, 436	July 13, 1875	306	90	8	57
Sawing-machine	R. R. Boyd and H. G. Fox	160, 256	Mar. 2, 1875	3	2	7	349
Sawing-machine	G. W. Bugbee	163, 453	May 18, 1875	694	221	7	861
Sawing-machine	F. M. Carnahan	168, 226	Sept. 28, 1875	808	257	8	544
Sawing-machine	J. Gebr	160, 892	Mar. 16, 1875	600	196	7	448
Sawing-machine	O. T. Gronner	165, 325	July 6, 1875	167	51	8	31
Sawing-machine	W. O. Hale	160, 899	Mar. 16, 1875	606	198	7	449
Sawing-machine	N. M. Miller	160, 939	Mar. 16, 1875	643	209	7	454
Sawing-machine	N. M. Miller	169, 282	Oct. 26, 1875	933	303	8	719
Sawing-machine	A. T. Nichols	166, 887	Aug. 17, 1875	682	211	8	312
Sawing-machine	C. Fease and G. W. Whitacre	167, 561	Sept. 7, 1875	160	50	8	429
Sawing machine, Band	W. W. Carey	170, 814	Dec. 7, 1875	143	48	8	970
Sawing machine, Band	W. C. Margedant	170, 577	Nov. 30, 1875	1241	391	8	931
Sawing machine, Band	P. Pribil	169, 035	Oct. 19, 1875	688	227	8	677
Sawing machine, Band	B. D. Whitney	165, 463	July 13, 1875	337	93, 99	8	61
Sawing machine, Re	J. First	166, 355	Aug. 3, 1875	154	47	8	221
Sawing machine, Re	J. Gerhardt	158, 699	Jan. 12, 1875	323	110	7	69
Sawing machine, Scroll	H. L. Beach	163, 843	June 1, 1875	7	2	7	931
Sawing machine, Scroll	J. Hale	160, 768	Mar. 16, 1875	497	161	7	434
Sawing machine, Scroll	E. Herzig	168, 995	Oct. 19, 1875	649	214	8	672
Sawing machine, Scroll	I. P. Hicks	168, 019	Sept. 21, 1875	590	189	8	506
Sawing machine, Scroll	W. H. Kimball	169, 553	Nov. 2, 1875	213	70	8	763
Sawing machine, Scroll	W. C. Margedant	170, 578	Nov. 30, 1875	1246	392	8	931
Sawing machine, Scroll	R. McConnell	160, 217	Feb. 23, 1875	935	307	7	333
Sawing machine, Scroll	G. Mercer	166, 126	July 27, 1875	986	305	8	181
Sawing machine, Scroll	J. H. Plummer	165, 920	Oct. 19, 1875	585	193	8	663
Sawing machine, Scroll	L. C. Pratt	169, 475	Nov. 2, 1875	138	45	8	754
Sawing machine, Scroll	J. H. Roberts	165, 757	July 20, 1875	612	189	8	118
Sawing machine, Scroll	E. Smith	167, 794	Sept. 14, 1875	382	122	8	467

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Sawing machine, Scroll.....	C. N. and S. N. Truimp.....	162, 588	Apr. 27, 1875	945	304	7	719
Sawing machine, Scroll.....	E. J. Wescott and W. H. Mc-Gregor.	164, 787	June 22, 1875	898	292	7	1020
Sawing machine, Scroll.....	G. S. Young.....	161, 585	Mar. 30, 1875	1277	{ 410 411 }	7	534
Scaffold.....	W. Borge.....	163, 733	May 25, 1875	964	305	7	964
Scaffold.....	J. Lapp and J. W. Sweet.....	159, 032	Jan. 26, 1875	681	234	7	139
Scaffold.....	D. C. Place.....	170, 391	Nov. 23, 1875	1056	332	8	897
Scaffold.....	C. G. Reed.....	163, 329	May 18, 1875	589	{ 188 189 }	7	848
Scaffold.....	J. E. Sanders.....	164, 771	June 22, 1875	882	288	7	1078
Scaffold.....	J. A. Shannon.....	160, 475	Mar. 2, 1875	195	67	7	376
Scaffold.....	L. W. Swafford.....	167, 588	Sept. 7, 1875	186	57	8	432
Scaffold, Adjustable.....	H. Hilliker.....	169, 904	Nov. 16, 1875	595	15	8	827
Scaffold-bracket.....	S. N. Fisher.....	159, 309	Feb. 2, 1875	57	21	7	192
Scaffold-clamp.....	W. C. Fellows.....	162, 541	Apr. 27, 1875	96	289	7	711
Scaffold-clamp.....	W. C. Fellows.....	166, 759	Aug. 17, 1875	562	173	8	296
Scaffold, Traversing.....	D. R. Kelly.....	169, 270	Oct. 26, 1875	923	299	8	717
Scales and balance stand.....	R. Murdock.....	165, 114	June 29, 1875	1213	390	7	1128
Scale-beam.....	E. A. Chameroy.....	169, 415	Nov. 2, 1875	88	27	8	747
Scale-beam.....	W. T. Robinson.....	164, 938	June 29, 1875	1064	243	7	1107
Scale-beam.....	T. Tehow.....	161, 575	Mar. 30, 1875	1268	408	7	552
Scale-beam.....	T. Tehow.....	161, 576	Mar. 30, 1875	1269	408	7	552
Scale-levers, Casting.....	T. Alsen.....	159, 957	Feb. 16, 1875	688	229	7	291
Scales.....	O. T. Baker.....	163, 135	May 11, 1875	386	125	7	805
Scales.....	H. T. Budge.....	162, 024	Apr. 13, 1875	385	159	7	634
Scales, Coin.....	H. S. Cochran.....	161, 098	Mar. 23, 1875	797	{ 261 262 }	7	424
Scales, Device for raising and lowering cattle-racks on platform.....	P. C. Dockstader.....	165, 217	July 6, 1875	72	21	8	18
Scales, Letter.....	A. Turnbull.....	166, 569	Aug. 10, 1875	371	114	8	260
Scales, Platform.....	S. J. Austin.....	163, 440	May 18, 1875	682	218	7	800
Scales, Platform.....	L. D. Berry.....	160, 381	Mar. 2, 1875	109	39	7	364
Scales, Platform.....	A. W. Hess.....	165, 996	Oct. 19, 1875	650	214	8	672
Scales, Postal weigh.....	T. Lanston.....	161, 130	Mar. 23, 1875	826	270	7	427
Scales, Railway-track.....	T. Fairbanks.....	162, 629	Oct. 11, 1875	312	{ 102 103 }	8	616
Scales, Railway-track.....	T. Fairbanks.....	169, 630	Nov. 9, 1875	305	98	8	783
Scales, Railway-track.....	J. H. Usher.....	163, 423	May 18, 1875	668	214	7	858
Scales, Spring.....	A. Happer and L. W. Cross.....	171, 016	Dec. 14, 1875	343	114	8	1003
Scales, Trileaf.....	L. H. Crane and A. A. Muer.....	165, 476	July 13, 1875	348	162	8	63
Scales, Weighing.....	T. Fairbanks.....	163, 060	May 11, 1875	321	{ 103 104 }	7	756
Scales, Weighing.....	J. Foller.....	163, 174	May 11, 1875	425	138	7	810
Scales, Weighing.....	W. W. Reynolds.....	170, 191	Nov. 23, 1875	877	274	8	872
Scales, Weighing.....	T. D. Stetson.....	167, 705	Sept. 14, 1875	298	94, 25	8	455
Scales, Weighing.....	H. M. Weaver.....	166, 046	July 27, 1875	907	280	8	169
Scales, Weighing.....	H. C. Wingate.....	166, 575	Aug. 10, 1875	375	115	8	260
Scarf.....	A. Mueller.....	159, 112	Jan. 26, 1875	750	247	7	149
Scarf-retainer.....	W. H. Hart, jr.....	168, 992	Oct. 19, 1875	646	213	8	672
Scarf-slide clasp.....	A. Komp.....	159, 421	Feb. 2, 1875	161	54	7	207
School-house chair.....	P. Milhan.....	169, 914	Nov. 16, 1875	605	128	8	828
School-room heater.....	J. M. Reddy.....	168, 106	Sept. 28, 1875	701	221	8	528
School-seat.....	B. Allen.....	163, 622	May 25, 1875	872	275	7	892
School-seat.....	W. A. Bradford.....	170, 810	Dec. 7, 1875	140	46, 47	8	969
School-seat.....	S. L. Melhorn.....	169, 826	Nov. 9, 1875	510	160	8	808
School-seat.....	I. N. Peirce.....	163, 605	May 25, 1875	858	270	7	820
Scoop, Silting.....	W. S. Boon.....	170, 152	Nov. 23, 1875	844	261	8	867
Scoop, Sugar.....	G. W. Woodward.....	171, 252	Dec. 21, 1875	536	195	8	1045
Scourer: See Grain-scourer.							
Scouring white goods, Compound for.....	M. Mayer.....	161, 139	Mar. 23, 1875	837	....	7	488
Scraper.....	E. Dickinson.....	164, 532	June 15, 1875	661	214	7	1038
Scraper.....	J. Megill.....	166, 882	Aug. 17, 1875	678	210	8	312
Scraper, Box.....	G. Meyer.....	162, 568	Apr. 27, 1875	927	298	7	717
Scraper, Box.....	G. Meyer.....	166, 540	Aug. 10, 1875	345	106	8	256
Scraper, Box.....	A. W. Tuckerman.....	161, 181	Mar. 23, 1875	870	285	7	494
Scraper, Coke-oven.....	P. M. Buttermer.....	168, 968	Oct. 19, 1875	625	207	8	669
Scraper, Earth.....	D. Irwin.....	168, 334	Oct. 5, 1875	16	6	8	567
Scraper, Flue.....	A. Fisher.....	168, 891	Oct. 19, 1875	550	180	8	659
Scraper, Pot.....	U. Cramer.....	163, 918	June 1, 1875	66	22	7	959
Scraper, Road.....	E. A. Beach.....	163, 842	June 1, 1875	6	2	7	931
Scraper, Road.....	B. Goodrich.....	162, 746	May 4, 1875	10	4	7	748
Scraper, Road.....	E. Huber.....	167, 668	Sept. 14, 1875	267	84	8	451
Scraper, Road.....	A. McCall, J. T. Watkins, and J. S. Scott.	160, 525	Mar. 9, 1875	265	90	7	395
Scraper, Road.....	J. L. McKeen.....	162, 846	May 4, 1875	99	32	7	700
Scraper, Road.....	W. T. Nichols.....	158, 861	Jan. 19, 1875	489	{ 164 165 }	7	107
Scraper, Road.....	F. W. Schultz.....	171, 433	Dec. 21, 1875	757	249	8	1666
Scraper, Road.....	W. Smith.....	161, 228	Mar. 23, 1875	976	319	7	507
Scraper, Road.....	J. W. Wilson.....	166, 052	July 27, 1875	913	282	8	170
Scraper, Track.....	S. A. Otis.....	163, 943	June 1, 1875	89	30	7	943
Scraper, Wagon-wheel.....	N. Sage.....	168, 675	Oct. 11, 1875	350	114	8	622
Screen:							
See Camera-screen.	Oats-screen.						
Coal-screen.	Paper-pulp screen.						
Door-screen.	Window-screen.						
Fire-place screen.							
Screen.....	G. W. Brown.....	162, 895	May 4, 1875	144	46	7	766
Screen.....	L. Fitzpatrick.....	170, 440	Nov. 30, 1875	1116	351	8	914
Screw and foggie-lever press.....	R. Butterworth.....	161, 751	Apr. 6, 1875	140	48	7	589
Screw attachment for picture-nails.....	T. C. Richards.....	169, 921	Nov. 16, 1875	611	189	8	829
Screw-blank feeder.....	W. Aiken.....	160, 990	Mar. 23, 1875	635	229	7	471

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Screw-blanks, Machine for pointing and threading.....	W. Aiken.....	162, 453	Apr. 27, 1875	829	267	7	705
Screw blanks, Manufacturing wood .....	J. Frearson .....	162, 642	Apr. 27, 1875	987	{ 317 318 }	7	725
Screw blanks, Mechanism for shaving, nicking, &c., } wood. ....	J. A. Bidwell and J. N. B. Jaquith } H. T. Blake .....	160, 000	Feb. 23, 1875	747	{ 247 248 }	7	307
Screw cap, Wood .....	F. W. Cabott .....	160, 148	Feb. 23, 1875	875	289	7	325
Screw, Coffin .....	W. M. Smith .....	169, 889	Nov. 16, 1875	583	181	8	825
Screw, Coffin .....	W. M. Smith .....	167, 578	Sept. 7, 1875	174	55	8	431
Screw-cutting die.....	M. A. Griffith .....	162, 914	May 4, 1875	161	53	7	768
Screw-cutting die.....	R. C. Nugent .....	166, 716	Aug. 17, 1875	525	161	8	280
Screw-cutting die.....	V. J. Reece .....	164, 481	June 15, 1875	619	207	7	1033
Screw-cutting die.....	V. J. Reece .....	170, 768	Dec. 7, 1875	105	33	8	964
Screw-cutting die.....	J. C. Sherman .....	168, 349	Oct. 5, 1875	27	10	8	568
Screw-cutting die.....	G. R. Stetson .....	167, 035	Aug. 24, 1875	833	260	8	343
Screw-cutting-die holder .....	J. J. Grant .....	170, 949	Dec. 14, 1875	279	94	8	995
Screw-cutting-die plate .....	H. Griffing .....	161, 679	Apr. 6, 1875	78	28	7	580
Screw-cutting machine .....	G. Emig .....	170, 160	Nov. 23, 1875	850	266	8	868
Screw-cutting machine, Wood .....	G. W. Chamberlin and S. G. Cushing .....	167, 988	Sept. 21, 1875	556	179	8	502
Screw-die press.....	H. Blundell .....	170, 984	Dec. 14, 1875	317	105	8	1000
Screw-driver .....	J. C. Cowles .....	164, 638	June 22, 1875	765	251	7	1062
Screw driver .....	W. F. Patterson .....	158, 807	Jan. 19, 1875	441	147	7	101
Screw-driver .....	W. F. Patterson .....	160, 543	Mar. 9, 1875	272	92	7	396
Screw-driver .....	W. F. Patterson .....	161, 056	Mar. 23, 1875	752	248	7	478
Screw-driver .....	W. F. Patterson .....	163, 401	May 18, 1875	632	208	7	856
Screw-driver .....	W. F. Patterson .....	165, 685	July 20, 1875	551	168	8	168
Screw-fastening .....	J. O. Ahlstrom .....	170, 041	Nov. 16, 1875	709	225	8	843
Screw-heads, Applying caps to .....	G. Hookham .....	161, 231	Mar. 23, 1875	917	300	7	500
Screw heads, Machine for shaping metal .....	C. M. Spencer .....	166, 423	Aug. 3, 1875	224	68	8	230
Screw, Jack .....	W. F. Arnold .....	161, 074	Apr. 13, 1875	347	117	7	628
Screw, Knob .....	J. F. Webster .....	171, 078	Dec. 14, 1875	399	132	8	1011
Screw machine, Metal .....	J. F. Webster .....	166, 166	July 27, 1875	1026	316	8	186
Screw machine, Wood .....	C. Elliott .....	163, 059	May 11, 1875	319	{ 102 103 }	7	796
Screw-making machine, Metal .....	A. W. Gifford .....	168, 150	Sept. 28, 1875	746	235	8	535
Screw-plate .....	G. R. Stetson .....	160, 362	Mar. 2, 1875	93	34	7	362
Screw-press .....	J. H. Clapp .....	164, 637	June 22, 1875	764	251	7	1062
Screw-press .....	J. J. Crawford .....	158, 685	Jan. 12, 1875	312	106	7	67
Screw-press .....	A. Hathaway .....	170, 950	Dec. 14, 1875	379	94	8	995
Screw-press .....	W. H. H. Mudge .....	161, 539	Mar. 30, 1875	1233	397	7	548
Screw-tap .....	E. Reynolds .....	170, 398	Nov. 23, 1875	1063	334	8	898
Screw-tap .....	J. E. Sweet .....	166, 318	Aug. 3, 1875	121	38	8	216
Screw-tap .....	T. S. Wild .....	160, 559	Mar. 9, 1875	285	97	7	398
Screw-tap-cutting machine .....	H. E. Boyd .....	169, 680	Oct. 26, 1875	749	{ 244 245 }	8	693
Screw-thread cutters, Manufacture of .....	T. T. Nash .....	168, 577	Oct. 11, 1875	261	85	8	603
Screw-threads, Die for swaging right and left inter- secting. ....	T. Beddow and A. T. Jackson .....	168, 214	Sept. 28, 1875	799	254	8	542
Screw-threading chuck .....	W. Aiken .....	162, 137	Apr. 20, 1875	509	168	7	657
Screw-threading die .....	F. Rhind .....	164, 764	June 22, 1875	877	286	7	1077
Screw-threading die .....	F. E. Wells .....	161, 311	Mar. 23, 1875	996	326	7	509
Screw-threading die .....	F. E. Wells .....	162, 983	May 4, 1875	232	75	7	778
Screw-threading machine .....	C. T. Litchfield .....	162, 931	May 4, 1875	179	59	7	770
Screw-threading machine .....	E. Nugent .....	171, 037	Dec. 14, 1875	358	119	8	1005
Screw-threading machine .....	F. P. Sheldon .....	170, 496	Nov. 30, 1875	1166	369	8	921
Screw-threading machine, Wood .....	B. A. Mason .....	166, 121	July 27, 1875	980	{ 332 303 }	8	180
Screw-threading machine.....	F. B. Prindle and J. T. Kennedy .....	165, 367	July 6, 1875	202	61, 62	8	36
Screw, Wood .....	A. Cummings .....	161, 390	Mar. 30, 1875	1091	354	7	530
Screw, Wood .....	C. T. Litchfield and R. Booklen .....	161, 538	Mar. 30, 1875	1223	393	7	547
Screw, Wood .....	C. T. Litchfield and R. Booklen .....	161, 529	Mar. 30, 1875	1224	393	7	547
Screw-wrench, .....	J. H. Coes .....	171, 550	Dec. 28, 1875	882	289	8	1092
Screws from caoutchouc, Mold for manufacturing .....	G. H. Roberts .....	160, 235	Feb. 23, 1875	950	312	7	336
Scuttle-elevator .....	F. A. Smith .....	161, 641	Apr. 6, 1875	46	17	7	575
Scythe-smith-bending machine .....	J. H. Russell and G. Birner .....	169, 130	Oct. 26, 1875	792	257	8	699
Seal-escutcheon .....	E. J. Brooks .....	164, 600	June 22, 1875	914	296	7	1081
Seal-lock .....	A. T. Boon .....	169, 231	Oct. 26, 1875	886	288	8	713
Seal-lock .....	J. S. Brown .....	165, 915	July 27, 1875	781	240	8	153
Seal-lock .....	W. H. Darling .....	162, 805	May 4, 1875	64	21	7	755
Seal-lock .....	C. C. Gale and G. F. David .....	161, 023	Mar. 23, 1875	724	238	7	475
Seal-lock .....	J. Kinzer .....	160, 336	Mar. 2, 1875	71	25	7	359
Seal-lock .....	J. Kinzer .....	160, 337	Mar. 2, 1875	72	26	7	359
Seal-lock .....	J. Kinzer .....	160, 338	Mar. 2, 1875	74	26	7	359
Seal-lock .....	J. N. Smith .....	160, 962	Mar. 16, 1875	663	216	7	457
Seal-lock .....	L. I. Todd .....	165, 384	July 6, 1875	228	69	8	39
Seal-lock .....	C. O. Wheeler and A. Laffrey .....	160, 493	Mar. 2, 1875	214	74	7	379
Seal-lock .....	A. F. Whiting .....	165, 070	Sept. 21, 1875	653	207	8	515
Seal-lock, Combination .....	H. Clarke .....	164, 522	June 15, 1875	652	211	7	1047
Seal, Metallic .....	E. J. Brooks .....	161, 475	Mar. 30, 1875	1169	376	7	539
Seal, Metallic .....	F. C. Hamilton .....	167, 525	Sept. 7, 1875	129	39	8	424
Sealing device, Hermetic .....	T. Roberts .....	169, 480	Nov. 2, 1875	142	46	8	755
Seam for garments, Elastic .....	H. A. Blanchard .....	162, 019	Apr. 13, 1875	382	128	7	631
Seam for leather-work .....	S. W. Shrey .....	162, 424	Apr. 20, 1875	778	253	7	690
Seaming-machine .....	W. J. Gordon .....	160, 265	Mar. 2, 1875	9	4	7	350
Seaming machine, Can .....	W. J. Gordon .....	170, 727	Dec. 7, 1875	67	21	8	959
Seaming-machine, Double .....	F. Kenney .....	160, 775	Mar. 16, 1875	563	163	7	435
Seasouing-cup .....	J. Coulthard .....	161, 484	Mar. 30, 1875	1179	378	7	540
Seat:							
See Bath-tub seat.	Salesman's seat.						
Car-seat.	School-seat.						
Carriage-seat.	Spring-seat.						
Carriage jump-seat.	Valve-seat.						
Chair-seat.	Vehicle-seat.						
Circus-seat.	Wagon-seat.						
Harvester-seat.	Water-closet seat.						

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Seat, &c., spring.	J. A. Stevenson	160, 123	Feb. 23, 1875	854	282	7	322
Sectional boiler.	B. T. Babbitt	167, 292	Aug. 31, 1875	1090	342	8	386
Sectional boiler.	J. Firmenich and F. P. Striker.	169, 977	Nov. 16, 1875	655	205	8	835
Sectional boiler.	H. F. King	162, 928	May 4, 1875	174	58	7	770
Sectional boiler, Cast-iron.	J. F. Daniels	167, 438	Sept. 7, 1875	53	16	8	413
Seed and guano distributor.	R. Sappelt	163, 108	May 11, 1875	363	118	7	802
Seed and guano distributor.	A. H. Stums	169, 199	Oct. 26, 1875	855	278	8	709
Seed-drill.	W. A. McClintock	165, 603	July 13, 1875	459	140	8	80
Seed-drill.	J. K. Symmes	164, 781	June 22, 1875	893	291	7	1079
Seed drill and planter.	L. L. Haworth	160, 592	Mar. 9, 1875	313	106	7	402
Seed drill, Cotton.	H. Steckler, jr.	162, 322	Apr. 20, 1875	674	220	7	677
Seed-drills, Grain-distributor for.	C. F. Johnson, jr.	169, 813	Nov. 9, 1875	496	156	8	807
Seed-dropper.	E. M. Morgan	160, 611	Mar. 9, 1875	330	111	7	405
Seed-dropper.	J. T. Wright	169, 072	Oct. 19, 1875	722	239	8	682
Seed, Machine for gathering grass.	J. K. Symmes	167, 280	Aug. 31, 1875	1079	337	8	384
Seed-planter.	W. C. Champion	165, 718	Oct. 11, 1875	387	126	8	627
Seed-separator.	J. L. Catchpole and F. F. and T. F. Stidolph.	171, 502	Dec. 28, 1875	842	276	8	1086
Seeds, Machine for crushing oleaginous.	A. B. Lawther	161, 691	Apr. 6, 1875	88	31	7	581
Seeds, Machine for moistening oleaginous.	A. B. Lawther	163, 933	June 1, 1875	20	27	7	942
Seeds, Treating oleaginous.	A. B. Lawther	168, 164	Sept. 28, 1875	759	-----	8	537
Seedler and cultivator sifting device.	W. A. Van Brunt	169, 002	Nov. 2, 1875	363	85	8	769
Seedler slip-teeth.	G. D. Rowell	160, 547	Mar. 9, 1875	275	93	7	397
Seeders and cultivators, Yielding teeth for.	C. P. Hewett	171, 566	Dec. 28, 1875	899	294	8	1094
Seeding-machine.	J. C. Barlow	162, 599	Apr. 27, 1875	953	306	7	721
Seeding-machine.	J. B. Bushnell	164, 635	June 22, 1875	761	250	7	1061
Seeding-machine.	S. Dixon	158, 407	Jan. 5, 1875	48	17	7	16
Seeding-machine.	C. E. Patric	159, 210	Jan. 26, 1875	837	275	7	161
Seeding machine, Broadcast.	D. Buist and C. E. Alden.	161, 747	Apr. 6, 1875	136	47	7	588
Seedlings-puller.	J. S. Swaney	168, 427	Oct. 5, 1875	95	33	8	578
Separating substances of different specific gravity, Machine for.	A. B. Stanburio.	170, 312	Nov. 23, 1875	984	368	8	887
Separators:							
See Clover-separator.	Nail-separator.						
Coal-separator.	Ore-separator.						
Coal and ore separator.	Pin-separator.						
Cranberry-separator.	Sand and gravel separator.						
Grain separator.							
Service coupler-pipe.	L. S. Chapman	160, 305	Mar. 2, 1875	42	16	7	355
Settee.	J. P. Sayles	168, 053	Sept. 21, 1875	627	201	8	512
Settee.	W. F. Spencer	162, 707	Apr. 27, 1875	1060	338	7	733
Settee, Lawn.	H. H. Gratz	160, 421	Mar. 2, 1875	146	51	7	369
Sewage apparatus.	R. A. McCauley	163, 095	May 11, 1875	351	{ 114 115 }	7	801
Sewer.	L. A. Gouch	161, 222	Mar. 23, 1875	910	298	7	499
Sewer-basin.	P. Brady and G. M. Ward.	170, 660	Dec. 7, 1875	G	2	8	951
Sewer-inlet trap.	J. McGuire	162, 403	Apr. 20, 1875	759	246	7	687
Sewer-junction indicator.	J. H. Stanley	166, 314	Aug. 3, 1875	119	37	8	216
Sewer-man-hole cover.	D. H. Fernald	167, 444	Sept. 7, 1875	59	18	8	414
Sewer-trap.	C. Lewis	166, 116	July 27, 1875	975	301	8	179
Sewer-trap.	J. Naughten	164, 034	June 1, 1875	155	55	7	952
Sewer-trap and mold, Cement.	D. Copeland, jr.	166, 916	Aug. 24, 1875	723	224	8	327
Sewers and sinks, Apparatus for emptying.	R. Bucklen	167, 384	Sept. 7, 1875	3	1	8	497
Sewing buttons to cloth, Machine for.	J. C. Taft.	170, 784	Dec. 7, 1875	119	38	8	966
Sewing-cabinet.	A. Fosterin.	167, 589	Sept. 7, 1875	187	58	8	432
Sewing-case.	J. B. Stearns, jr.	168, 538	Oct. 5, 1875	201	66	8	593
Sewing-machine.	J. H. Applegate and C. B. Webb.	161, 087	Mar. 23, 1875	782	257	7	482
Sewing-machine.	J. W. Bartlett and F. Plant	159, 065	Jan. 26, 1875	706	232	7	143
Sewing-machine.	W. G. Beckwith	167, 382	Sept. 7, 1875	2	1	8	407
Sewing-machine.	H. A. Blanchard	161, 471	Mar. 30, 1875	1163	375	7	539
Sewing-machine.	H. A. Blanchard	161, 472	Mar. 30, 1875	1165	375	7	539
Sewing-machine.	S. B. Brown.	167, 640	Sept. 14, 1875	244	76	8	447
Sewing-machine.	J. H. Burr	161, 478	Mar. 30, 1875	1171	376	7	540
Sewing-machine.	F. Carter	165, 711	July 20, 1875	572	175	8	112
Sewing-machine.	F. Chase	170, 345	Nov. 23, 1875	1013	318	8	891
Sewing-machine.	L. Chevallier.	161, 422	Mar. 30, 1875	1175	{ 377 378 }	7	540
Sewing-machine.	L. J. Crecelius	166, 071	July 27, 1875	929	287	8	172
Sewing-machine.	C. S. Cushman	164, 529	June 15, 1875	658	213	7	1038
Sewing-machine.	C. S. Cushman	165, 798	July 20, 1875	654	201	8	123
Sewing-machine.	C. S. Cushman	167, 747	Sept. 14, 1875	334	107	8	461
Sewing-machine.	C. S. Cushman	169, 065	Nov. 16, 1875	645	202	8	834
Sewing-machine.	G. S. and A. L. Darling.	163, 639	May 25, 1875	886	{ 279 280 }	7	894
Sewing-machine.	A. S. Dismore	160, 512	Mar. 9, 1875	244	84	7	292
Sewing-machine.	G. L. Du Lancy	169, 682	Nov. 9, 1875	358	113	8	790
Sewing-machine.	O. Farfar	161, 399	Mar. 30, 1875	1100	356	7	531
Sewing-machine.	W. L. Fish	167, 515	Sept. 7, 1875	120	37	8	423
Sewing-machine.	J. L. Follett.	162, 372	Apr. 20, 1875	727	{ 237 238 }	7	683
Sewing-machine.	S. W. Francis	171, 007	Dec. 14, 1875	336	{ 111 112 }	8	1002
Sewing-machine.	J. E. A. Gibbs	171, 557	Dec. 28, 1875	888	291	8	1093
Sewing-machine.	J. E. A. Gibbs	171, 558	Dec. 28, 1875	889	291	8	1093
Sewing-machine.	J. E. A. Gibbs.	171, 559	Dec. 28, 1875	891	291	8	1093
Sewing-machine.	J. Glines and N. W. Stiles	168, 894	Oct. 19, 1875	553	181	8	670
Sewing-machine.	G. Hancock	168, 989	Oct. 19, 1875	643	212	8	172
Sewing-machine.	T. J. Harper	166, 869	Aug. 17, 1875	662	206	8	310
Sewing-machine.	I. P. Hieks	164, 299	June 8, 1875	436	144	7	1000
Sewing-machine.	E. S. Hill.	159, 671	Feb. 9, 1875	410	136	7	249
Sewing-machine.	W. Hiron and J. D. Moore.	159, 575	Feb. 9, 1875	324	106	7	237
Sewing-machine.	G. W. Hoffman.	162, 228	Apr. 20, 1875	641	{ 210 211 }	7	674
Sewing-machine.	E. Kappucyer	159, 183	Jan. 26, 1875	813	{ 266 267 }	7	158

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Sewing-machine	J. Laing	162, 665	Apr. 27, 1875	1013	{ 324 325	7	108
Sewing-machine	J. W. and R. H. Lufkin	170, 284	Nov. 23, 1875	958	{ 300 301	8	883
Sewing-machine	L. Lyon	168, 757	Oct. 11, 1875	423	138	8	632
Sewing-machine	J. B. McCune	158, 596	Jan. 12, 1875	231	79	7	57
Sewing-machine	J. O'Neil	159, 958	Feb. 16, 1875	689	230	7	291
Sewing-machine	C. H. Palmer	161, 895	Apr. 13, 1875	279	94	7	620
Sewing-machine	A. Ploss	171, 425	Dec. 28, 1875	822	{ 269 270	8	1083
Sewing-machine	A. E. Schmidt	162, 697	Apr. 27, 1875	1050	335	7	732
Sewing-machine	W. C. Sharp	170, 399	Nov. 23, 1875	981	307	8	887
Sewing-machine	C. F. Toll	171, 193	Dec. 14, 1875	511	168	8	1026
Sewing-machine	T. A. Weber	166, 236	Aug. 3, 1875	46	15	8	205
Sewing-machine	H. B. Wieland	161, 310	Mar. 23, 1875	995	326	7	569
Sewing-machine	R. Whitehill	166, 172	July 27, 1875	1033	318	8	187
Sewing-machine	D. Williamson	159, 006	Jan. 19, 1875	631	209	7	125
Sewing-machine	W. Wormald and E. Dobson	169, 881	Nov. 9, 1875	564	176	8	815
Sewing-machine attachment	F. Henry	163, 491	May 18, 1875	731	233	7	866
Sewing-machine attachment	D. M. Mellon	161, 536	Mar. 30, 1875	1231	396	7	548
Sewing-machine attachment	J. J. Thompson	161, 076	Mar. 23, 1875	771	257	7	451
Sewing machine, Bag	H. P. Garland	169, 163	Oct. 26, 1875	829	269	8	705
Sewing machine, Bag, &c.	H. P. Garland and A. J. Govo	159, 317	Feb. 2, 1875	75	25	7	194
Sewing-machine balance-wheels, Compensation-journal for.	D. Smitjer	170, 122	Nov. 16, 1875	789	250	8	853
Sewing-machine binder	G. Wissler	164, 895	June 22, 1875	1003	324	7	1092
Sewing-machine binder attachment	G. Wissler	164, 896	June 22, 1875	1004	324	7	1092
Sewing-machine binding attachment	H. C. Jones	162, 562	Apr. 27, 1875	923	296	7	716
Sewing-machine bobbin	G. W. H. Curtis	166, 348	Aug. 3, 1875	148	46	8	220
Sewing-machine-bobbin winder	W. Miller	167, 111	Aug. 24, 1875	909	284	8	353
Sewing-machine-bobbin winder	F. Peck	162, 853	May 4, 1875	107	34	7	761
Sewing-machine-bobbin winder	H. H. Rhodes and C. C. Redmond	162, 193	Apr. 20, 1875	558	183	7	661
Sewing-machine bobbins, Machine for filling	G. Gowing	168, 634	Oct. 11, 1875	316	103	8	617
Sewing machine, Boot and shoe	C. Goodyear, jr., and B. H. Hadley	170, 547	Nov. 30, 1875	1216	322	8	927
Sewing machine, Boot and shoe	J. Keats, A. Greenwood, and A. J. Keats	171, 622	Dec. 28, 1875	963	{ 312 313	8	1103
Sewing machine, Broom	H. Behren	171, 342	Dec. 21, 1875	672	232	8	1055
Sewing-machine button-hole attachment	G. T. Jones	169, 106	Oct. 26, 1875	778	253	8	697
Sewing-machine button-hole attachment	W. Handel	166, 810	Aug. 17, 1875	607	188	8	302
Sewing-machine button-hole-cutting attachment	I. S. Craig	158, 574	Jan. 12, 1875	211	72	7	54
Sewing-machine button-holing attachment	S. J. Baird	159, 740	Feb. 16, 1875	486	164	7	265
Sewing-machine cording attachment	H. C. Jones	160, 827	Mar. 16, 1875	544	178	7	441
Sewing-machine cover	G. Rehffuss	164, 043	June 1, 1875	177	63	7	955
Sewing-machine cover	R. W. Whitney	162, 127	Apr. 13, 1875	482	159	7	616
Sewing-machine cutting attachment	W. A. Springer	158, 813	Jan. 19, 1875	447	{ 148 149	7	102
Sewing-machine dress-protector	E. T. Shaw	168, 848	Oct. 19, 1875	515	169	8	653
Sewing-machine-driving mechanism	R. H. St. John	171, 445	Dec. 21, 1875	766	252	8	1068
Sewing-machine embroidering attachment	C. H. Palmer	161, 632	Apr. 6, 1875	38	14	7	574
Sewing-machine extension-table	R. H. St. John	169, 310	Oct. 26, 1875	963	312	8	723
Sewing-machine fan attachment	I. A. Abbott	164, 120	June 8, 1875	270	92	7	978
Sewing-machine feed-wheel	I. Manning	161, 250	Mar. 23, 1875	940	326	7	502
Sewing-machine feeding device	I. M. Koso	166, 202	Aug. 3, 1875	106	33	8	214
Sewing-machine fly-wheels, Journal for	G. Rehffuss	161, 823	Apr. 6, 1875	207	69	7	598
Sewing-machine for stitching button-holes, &c.	J. McCloskey	161, 534	Mar. 30, 1875	1228	{ 395 396	7	547
Sewing-machine for stitching straw	J. P. Smith and S. W. Ricker	164, 047	June 1, 1875	180	64, 65	7	255
Sewing-machine guide	W. A. Springer	169, 860	Nov. 9, 1875	543	169	8	812
Sewing-machine guide	J. H. Trowbridge	166, 161	July 27, 1875	1622	314	8	186
Sewing-machine guide for banding hats	D. Wheeler	164, 241	June 8, 1875	377	128	7	993
Sewing-machine hemmer	A. F. Coiby	159, 391	Feb. 2, 1875	133	46	7	263
Sewing-machine hemmer	J. W. Robards	162, 102	Apr. 13, 1875	454	151	7	642
Sewing-machine hemmer attachment	W. L. Kotzum	168, 753	Oct. 11, 1875	420	137	8	632
Sewing machine, Hosiery	W. Pearson	166, 805	Aug. 17, 1875	604	187	8	302
Sewing-machine lamp-bracket	F. M. Willson and W. Vassio	167, 864	Sept. 21, 1875	463	146	8	487
Sewing-machine lock	J. B. Logan	170, 575	Nov. 30, 1875	1239	391	8	931
Sewing-machine looping attachment	S. Byron and F. Clewley	166, 340	Aug. 3, 1875	141	44	8	219
Sewing-machine motor	B. C. Chambers	160, 876	Mar. 16, 1875	587	191	7	447
Sewing-machine motor	G. R. Everson	164, 439	June 15, 1875	583	190	7	1029
Sewing-machine motor, Hydraulic	W. J. Lane	165, 339	July 6, 1875	178	54	8	33
Sewing-machine needle	G. H. Bleloch	165, 204	July 6, 1875	61	18	8	17
Sewing-machine needle	H. M. Jenkins	171, 621	Dec. 28, 1875	963	312	8	1103
Sewing-machine needle	G. W. Lascell	166, 993	Aug. 24, 1875	800	248	8	338
Sewing-machine needles, Machine for grooving	S. C. Kingman	158, 947	Jan. 19, 1875	571	199	7	118
Sewing-machine-operating mechanism	B. C. Young	158, 821	Jan. 19, 1875	453	151	7	103
Sewing-machine, Overstitch	W. A. Polmateer	170, 390	Nov. 23, 1875	1055	352	8	897
Sewing-machine plaiter and tucker attachment	J. J. Fessenden	170, 541	Nov. 30, 1875	1209	382	8	926
Sewing-machine presser-fee, Guide attachment for	G. Vincent	161, 459	Mar. 30, 1875	1152	372	7	538
Sewing-machine quilting attachments, Holder for	N. Barnum	166, 448	Aug. 10, 1875	273	81	8	245
Sewing-machine ruffler	J. Bolton	171, 263	Dec. 21, 1875	606	198	8	1046
Sewing-machine ruffler	G. W. Darby	158, 834	Jan. 19, 1875	465	156	7	104
Sewing-machine ruffler	G. W. Darby	159, 020	Jan. 26, 1875	670	218	7	137
Sewing-machine ruffling and gathering attachment	S. M. Griest	159, 261	Feb. 2, 1875	19	6	7	187
Sewing-machine ruffling attachment	W. H. Convers	168, 141	Sept. 28, 1875	739	233	8	534
Sewing-machine ruffling attachment	C. H. Palmer	163, 239	May 11, 1875	483	157	7	817
Sewing-machine ruffling attachment	J. D. Saurwine	163, 699	May 25, 1875	932	296	7	900
Sewing machine, Sack, &c.	H. P. Garland	159, 812	Feb. 16, 1875	556	185	7	274
Sewing machine, Shoe	T. L. Miller	161, 628	Apr. 6, 1875	34	13	7	574
Sewing machine, Shoo	E. P. Richardson	165, 506	July 13, 1875	372	{ 110 111	8	67
Sewing-machine, Short-thread	J. S. Hall	168, 637	Oct. 11, 1875	320	104	8	617
Sewing-machine shuttle	J. Beaver and J. M. Tallman	164, 417	June 15, 1875	564	183	7	626
Sewing-machine shuttle	C. E. Billings	165, 405	July 13, 1875	276	82	8	53

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Sewing-machine shuttle	A. Peeler	171, 163	Dec. 14, 1875	484	160	8	1022
Sewing-machine shuttle	J. Stamm	164, 109	June 8, 1875	261	89	7	977
Sewing-machine shuttle	J. Stamm	164, 110	June 8, 1875	262	90	7	977
Sewing-machine shuttle	H. L. Walker	168, 067	Sept. 21, 1875	651	206	8	514
Sewing-machine table	H. R. Tracy	170, 416	Nov. 23, 1875	1078	340	8	900
Sewing-machine table	F. R. Wolfinger	163, 347	May 18, 1875	605	193	7	849
Sewing-machine-table-leaf support	R. W. Whitney	159, 235	Jan. 26, 1875	862	281	7	165
Sewing-machine tables, Tilting platform for	M. Grebner	161, 116	Mar. 23, 1875	815	267	7	466
Sewing-machine take-up	J. T. Jones	164, 739	June 8, 1875	323	110	7	985
Sewing-machine take-up and thread-controller	M. M. Barnes	162, 177	May 4, 1875	2	1	7	747
Sewing-machine thread-guard	L. Roosevelt	171, 428	Dec. 21, 1875	752	247	8	1066
Sewing-machine thread-tension device	J. Reece	164, 035	June 1, 1875	169	60	7	954
Sewing-machine treadle	W. B. Higgins	168, 565	Oct. 11, 1875	250	82	8	607
Sewing-machine treadle, Adjustable	J. A. Crittiss and S. G. Burleigh	166, 969	Aug. 24, 1875	774	239	8	334
Sewing-machine tuck-folding attachment	G. L. Du Laney	169, 629	Nov. 9, 1875	305	98	8	783
Sewing-machine tuck-marker	J. Y. and A. K. Detwiler	158, 576	Jan. 12, 1875	213	73	7	54
Sewing-machine tuck-marking attachment	A. Johnston	170, 375	Nov. 23, 1875	1038	326	8	895
Sewing-machine tucker	J. H. Cleveland	163, 290	May 11, 1875	535	172	7	824
Sewing-machine underbraider	V. Lapham	169, 910	Nov. 16, 1875	600	186	8	828
Sewing-machine, Wax-thread	F. D. Ballou	158, 833	Jan. 19, 1875	508	170	7	110
Sewing-machine, Wax-thread	E. E. Bean	159, 144	Jan. 26, 1875	776	255	7	153
Sewing-machine, Wax-thread	A. Leavitt	171, 147	Dec. 14, 1875	469	153	8	1020
Sewing-machine, Wax-thread	J. M. Nichols	168, 521	Oct. 5, 1875	183	59	8	590
Sewing-machines, Clamp for attaching hammers, binders, &c., to	J. Dunn	169, 530	Nov. 2, 1875	185	63	8	760
Sewing-machines, Device for driving	F. Miller	168, 660	Oct. 11, 1875	340	111	8	621
Sewing-machines, Device for transmitting power to	J. Lourdin	170, 933	Dec. 14, 1875	264	88	8	993
Sewing, &c., machines, Gearing for driving	W. J. Lane	165, 338	July 6, 1875	176	54	8	33
Sewing-machines, Power for running	J. K. Welter	162, 441	Apr. 20, 1875	795	259	7	692
Sewing-machines, Presser-roller for	M. M. Barnes	158, 565	Jan. 12, 1875	203	69	7	53
Sewing-machines, Shuttle carrier or driver for	J. Bolton	169, 079	Oct. 26, 1875	748	244	8	693
Sewing-machines, Wax thread heater for	H. J. Garton	167, 094	Aug. 24, 1875	896	279	8	351
Sewing soles on boots and shoes, Machine for	T. J. and M. C. Denno	166, 509	Aug. 10, 1875	321	97	8	252
Shade-fixture	G. T. Brooks and J. F. Morell	168, 713	Oct. 11, 1875	383	125	8	626
Shade-holder	T. Moran	166, 884	Aug. 17, 1875	680	211	8	312
Shade roller, Sheet-metal	A. H. Knapp	165, 935	July 27, 1875	806	247	8	155
Shade, Venetian	C. Wildemann	169, 502	Nov. 2, 1875	160	53	8	757
Shaft attachment, Sleigh	D. Smith	162, 861	May 4, 1875	115	37	7	762
Shaft, Counter	W. Frech	170, 667	Dec. 7, 1875	13	4	8	952
Shaft-coupling	A. B. Cook	165, 546	July 13, 1875	410	123	8	73
Shaft-coupling	D. L. Newcomb	167, 354	Aug. 31, 1875	1144	360	8	393
Shaft-coupling	P. B. Weeks and M. Metcalf	163, 558	May 18, 1875	797	252	7	874
Shaft-coupling, Tumbling	O. D. Herrick	165, 231	July 6, 1875	82	24, 25	8	20
Shaft-coupling, Vehicle	J. D. Morey	171, 159	Dec. 14, 1875	480	157	8	1021
Shaft-couplings, Machine for fixing	G. A. Chapman	170, 524	Nov. 30, 1875	1192	376	8	924
Shaft for ore-washers	E. F. Kittoe and F. Brotherhood	161, 687	Apr. 6, 1875	84	30	7	581
Shaft-hanger	D. Dierker	159, 909	Feb. 16, 1875	646	214	7	286
Shaft hanger, Counter	J. J. Squire	162, 867	May 4, 1875	120	39	7	762
Shaft, Mechanism for transmitting motion from a treadle to a revolving	J. Seginalt, jr	168, 350	Oct. 5, 1875	27	11	8	568
Shaft-support	J. Nelhis	159, 204	Jan. 26, 1875	832	273	7	161
Shaft-tip	S. H. Raymond	167, 169	Aug. 31, 1875	1010	314	8	374
Shaft-up for vehicles	J. B. Goldsmith	158, 371	Jan. 5, 1875	18	6	7	11
Shaft-tug	A. F. Morse	168, 275	Sept. 28, 1875	855	272	8	550
Shaft-tug, Harness	T. E. Webber	159, 781	Feb. 16, 1875	527	76	7	270
Shafts and strap couplings, Guard-strap for	J. Weatherhead	169, 068	Oct. 19, 1875	719	737	8	681
Shafts, Fastening wheels and pulleys to	J. F. Thomas	164, 669	June 15, 1875	726	237	7	1048
Shafting, Bearing for upright	J. H. Teall	169, 864	Nov. 9, 1875	547	170	8	813
Shafting, Driving-gear for	S. S. Hepworth	160, 522	Mar. 9, 1875	253	86	7	393
Shafting, Safety-box for revolving	M. R. Jones	158, 799	Jan. 19, 1875	433	145	7	100
Sharpening-machine	A. S. Weaver	166, 830	Aug. 17, 1875	623	194	8	305
Shaving-cup	P. Schaubel and L. Dohm	170, 773	Dec. 7, 1875	110	34	8	965
Shawl-holder	F. Meinberg	166, 473	Aug. 10, 1875	293	88	8	248
Shawl or carrying strap handle	B. Andrews	164, 247	June 8, 1875	385	131	7	994
Shawl pin and clamp, Combined	G. and F. Hartje	161, 413	Mar. 30, 1875	1113	360	7	532
Shawl-strap bar	R. Speer	159, 616	Feb. 9, 1875	356	118	7	242
Shawl-strap handle	W. Bruen and D. Gridley	159, 892	Feb. 16, 1875	631	209	7	283
Shawl-strap handle	H. Edwards	162, 360	Apr. 20, 1875	715	233	7	62
Shawl-strap handle	L. Loeser	164, 848	June 22, 1875	957	310	7	1087
Shears:							
See Barber's shears.	Sheet and plate metal shears.						
Hog's nose shears.							
Pruning-shears.	Tailor's shears.						
Sheep-shears.							
Shears, button-hole cutter, &c., Combined	P. L. Carter and J. W. Rhoades	162, 029	Apr. 13, 1875	389	131	7	634
Shears-gage	J. Lamb	170, 570	Nov. 30, 1875	1235	389	8	930
Shears, Manufacture of	O. Norton	164, 930	June 29, 1875	1053	340	7	1107
Shearing chair, Sheep	C. H. and J. H. McCall	161, 622	Apr. 6, 1875	39	12	7	573
Shearing machine, Animal	W. C. Harlow	159, 547	Feb. 9, 1875	306	90	7	234
Shearing machine, Metal	I. Hahn	168, 090	Sept. 28, 1875	653	216	8	526
Shearing machine, Metal	F. A. Pratt	164, 391	June 15, 1875	535	176	7	1022
Shearing machine, Metal	J. Walsh and J. Dutot	160, 858	Mar. 16, 1875	571	186	7	444
Shearing machine, Sheet-metal	W. H. and W. J. Clark and A. O. Kittredge	166, 588	Aug. 10, 1875	385	119 } 120 }	8	262
Shearing, Sheep-holder for	J. R. Virgo	159, 868	Feb. 16, 1875	607	201	7	280
Sheave	P. Kavanagh	167, 297	Aug. 31, 1875	1062	330	8	382
Shed, Portable	T. L. Wiswell	163, 559	May 18, 1875	797	253	7	874
Sheep, Device to protect men while washing	C. H. and J. H. McCall	162, 842	May 4, 1875	96	31	7	759
Sheep scratch-box	I. B. Dillon	159, 161	Jan. 26, 1875	790	259	7	155
Sheep scratch-box	I. B. Dillon	169, 681	Nov. 9, 1875	357	113	8	790
Sheep-shears	P. Harlow	166, 772	Aug. 17, 1875	574	176	8	297
Sheep-shears	F. Riedling	159, 526	Jan. 5, 1875	151	52	7	30



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				Spec.	Dr. g.	Vol.	Page.
Sheep-shears . . . . .	J. L. Smith . . . . .	159, 362	Feb. 2, 1875	110	38	7	199
Sheet and plate metal shears . . . . .	T. Berridge . . . . .	170, 658	Dec. 7, 1875	5	1	8	951
Sheet-iron blank . . . . .	G. E. Taylor . . . . .	168, 063	Sept. 21, 1875	647	205	8	514
Sheet-metal box . . . . .	H. Martyn . . . . .	163, 088	May 11, 1875	344	112	7	800
Sheet-metal box . . . . .	W. C. McGill . . . . .	160, 834	Mar. 16, 1875	554	180	7	442
Sheet-metal can . . . . .	J. Herget . . . . .	167, 172	Aug. 31, 1875	991	308	8	371
Sheet-metal can . . . . .	J. A. Wilson . . . . .	161, 848	Apr. 6, 1875	228	76	7	601
Sheet-metal cans, Method of producing flanged lids and collars for . . . . .	J. M. Patterson . . . . .	161, 634	Apr. 6, 1875	40	15	7	575
Sheet-metal-corrugating machine . . . . .	J. L. Piper and J. A. Nichols . . . . .	161, 152	Mar. 23, 1875	817	276	7	490
Sheet-metal, Die for forming . . . . .	H. Martyn . . . . .	163, 793	May 25, 1875	1012	321	7	910
Sheet-metal, Die for raising articles of . . . . .	N. C. Stiles . . . . .	161, 572	Mar. 30, 1875	1267	407	7	553
Sheet-metal, Mallet for smoothing . . . . .	A. O. Kittredge and W. H. and W. J. Clark . . . . .	166, 703	Aug. 17, 1875	509	156	8	258
Sheet-metal pipe, Device for connecting, holding, &c., sections of . . . . .	M. Stephens . . . . .	163, 341	May 18, 1875	600	192	7	849
Sheet-metal-pipe joint . . . . .	J. Moore . . . . .	159, 439	Feb. 2, 1875	179	61	7	209
Sheet-metal-pot spout . . . . .	P. Lesson . . . . .	162, 395	Apr. 20, 1875	751	244	7	686
Sheet-metal rings, Making . . . . .	S. R. Wilmot . . . . .	164, 992	June 22, 1875	1001	323	7	1092
Sheet-metal rollers, Mode of forming . . . . .	A. H. Kaupp . . . . .	165, 954	July 27, 1875	805	247	8	155
Sheet-metal threaded collars, Mode of forming . . . . .	A. Taplin . . . . .	161, 912	Apr. 13, 1875	295	99	7	622
Sheet-metal traps, Machine for making . . . . .	W. A. Butler . . . . .	170, 051	Nov. 16, 1875	719	228	8	844
Sheet-metal trimming and beading machine . . . . .	J. De Bunt . . . . .	158, 920	Jan. 19, 1875	549	182	7	115
Sheet-metal tube . . . . .	J. C. Milligan . . . . .	168, 100	Sept. 28, 1875	695	219	8	527
Sheet-metal ware, Making . . . . .	J. Traeger . . . . .	171, 198	Dec. 14, 1875	523	172	8	1027
Sheet-metal washers, Device for cutting . . . . .	D. Goodow, jr. . . . .	160, 015	Feb. 23, 1875	763	252	7	309
Shelf, Folding store . . . . .	M. P. Key . . . . .	159, 583	Feb. 9, 1875	331	109	7	238
Shelf, Kitchen . . . . .	A. A. Carter . . . . .	169, 892	Nov. 16, 1875	586	182	8	836
Shelf-supporting bracket . . . . .	M. D. Jones . . . . .	171, 236	Dec. 21, 1875	571	188	8	1041
Sieving, Store . . . . .	H. T. Bestor . . . . .	166, 248	Aug. 3, 1875	57	18	8	207
Shell, Explosive . . . . .	H. Tyler . . . . .	159, 982	Feb. 16, 1875	711	236	7	294
Shell-joint, Combination . . . . .	O. C. Little . . . . .	167, 845	Sept. 21, 1875	442	141	8	484
Sheller: See Corn-sheller.							
Shield, Arm-pit . . . . .	E. C. Bragg . . . . .	169, 515	Nov. 2, 1875	174	57	8	758
Shingle . . . . .	D. Altman . . . . .	169, 606	Nov. 9, 1875	315	109	8	788
Shingle-band-cutting machine . . . . .	J. W. Britton and F. L. Chamberlin . . . . .	159, 493	Feb. 9, 1875	251	81	7	227
Shingle-cutting machine . . . . .	G. H. Degran . . . . .	165 313	July 6, 1875	154	47	8	30
Shingle-dressing machine . . . . .	S. M. King . . . . .	158, 946	Jan. 19, 1875	571	189	7	118
Shingle-edging machine . . . . .	J. E. Austin . . . . .	171, 338	Dec. 21, 1875	669	221	8	1054
Shingle-machine . . . . .	J. J. Kendall . . . . .	166, 784	Aug. 17, 1875	584	180	8	299
Shingle-machine . . . . .	W. P. Valentine . . . . .	168, 541	Oct. 5, 1875	205	67	8	593
Shingle-planer . . . . .	W. A. Kitts . . . . .	171, 350	Dec. 21, 1875	574	189	8	1042
Shingle-planing machine . . . . .	P. D. Burgher . . . . .	159, 750	Feb. 16, 1875	535	179	7	271
Shingle-sawing machine . . . . .	W. Huey . . . . .	160, 524	Mar. 9, 1875	255	87	7	394
Shingling-bracket . . . . .	A. P. Fletcher . . . . .	163, 587	May 25, 1875	839	265	7	787
Shingling-bracket . . . . .	A. Lovejoy . . . . .	162, 483	Apr. 27, 1875	856	275	7	708
Shingling-bracket . . . . .	W. H. Seymour . . . . .	167, 699	Sept. 14, 1875	293	93	8	495
Shingling-bracket . . . . .	T. Talbot, jr. . . . .	168, 355	Oct. 5, 1875	32	12	8	569
Shingling-gage . . . . .	C. Schneider . . . . .	165, 860	July 20, 1875	738	225	8	134
Shingling-machine . . . . .	O. T. Williams . . . . .	162, 968	May 4, 1875	238	76	7	778
Ship's chair . . . . .	D. Parks . . . . .	166, 628	Aug. 10, 1875	422	131	8	267
Ship's furniture to prevent sea-sickness . . . . .	J. Wertheim . . . . .	164, 240	June 8, 1875	377	128	7	993
Ship's log . . . . .	B. F. Moore . . . . .	169, 024	Oct. 19, 1875	675	223	8	676
Ship's log . . . . .	T. C. Robinson . . . . .	169, 660	Nov. 9, 1875	337	107	8	787
Ship's log . . . . .	S. D. Trenchard . . . . .	168, 432	Oct. 5, 1875	98	34	8	579
Ships, Mechanism for trimming . . . . .	J. McNabb . . . . .	159, 951	Jan. 16, 1875	683	226	7	291
Ship's yards, Truss for . . . . .	S. S. Jordan and J. C. Stevens . . . . .	168, 179	Sept. 23, 1875	754	238	8	536
Shirt . . . . .	C. M. and J. C. Ball . . . . .	169, 133	Oct. 26, 1875	803	260	8	701
Shirt . . . . .	C. J. Coyle . . . . .	159, 219	Feb. 2, 1875	8	3	7	186
Shirt . . . . .	J. C. Dunham . . . . .	163, 644	May 25, 1875	890	281	7	894
Shirt . . . . .	G. R. Eager . . . . .	160, 312	Mar. 2, 1875	52	19	7	356
Shirt . . . . .	H. G. Fisk . . . . .	161, 110	Mar. 23, 1875	809	265	7	485
Shirt . . . . .	S. Gutmann . . . . .	170, 081	Nov. 16, 1875	753	238	8	848
Shirt . . . . .	S. Gutmann . . . . .	170, 082	Nov. 16, 1875	754	238	8	848
Shirt . . . . .	J. W. Hutchinson . . . . .	166, 777	Aug. 17, 1875	579	178	8	298
Shirt . . . . .	F. A. Richardson . . . . .	166, 411	Aug. 3, 1875	214	65	8	229
Shirt . . . . .	C. E. Sutphen . . . . .	159, 554	Feb. 9, 1875	310	101	7	234
Shirt . . . . .	J. Twamley . . . . .	160, 245	Feb. 23, 1875	958	315	7	337
Shirt and drawers, Combined . . . . .	H. H. H. Grosskope . . . . .	171, 124	Dec. 14, 1875	448	147	8	1017
Shirt-bosom . . . . .	R. Cluett . . . . .	161, 205	Mar. 23, 1875	889	292	7	496
Shirt-bosom . . . . .	J. C. Coombs . . . . .	166, 589	Aug. 10, 1875	387	120	8	262
Shirt-bosom . . . . .	T. M. and E. Denbau . . . . .	158, 474	Jan. 5, 1875	109	37	7	24
Shirt-bosom . . . . .	S. S. Fleishman . . . . .	163, 984	June 1, 1875	120	40	7	947
Shirt-bosom . . . . .	E. C. Goodwin . . . . .	166, 092	July 27, 1875	954	294	8	176
Shirt-bosom . . . . .	E. L. Pickett . . . . .	166, 297	Aug. 3, 1875	103	32	8	214
Shirt-bosom . . . . .	A. Sinsheimer . . . . .	161, 286	Mar. 23, 1875	974	318	7	506
Shirt-bosom . . . . .	A. Small . . . . .	158, 867	Jan. 19, 1875	495	166	7	108
Shirt-bosom supporter . . . . .	J. S. Edmunds . . . . .	160, 658	Mar. 9, 1875	371	125	7	411
Shirt-envelope . . . . .	J. Gilbert . . . . .	161, 503	Mar. 30, 1875	1202	386	7	543
Shirt-front . . . . .	H. Converse . . . . .	171, 352	Dec. 21, 1875	682	225	8	1056
Shirt-front . . . . .	W. J. and M. A. Duke . . . . .	170, 244	Nov. 23, 1875	926	288	8	879
Shirts, Wire rack for exhibiting . . . . .	W. D. Phelan . . . . .	164, 325	June 8, 1875	459	152	7	1003
Shoe . . . . .	G. L. Davis . . . . .	161, 103	Mar. 23, 1875	802	263	7	484
Shoe . . . . .	L. Heath . . . . .	162, 166	Apr. 20, 1875	536	176	7	660
Shoe . . . . .	G. D. Hill . . . . .	159, 674	Feb. 9, 1875	411	136	7	249
Shoe and gaiter . . . . .	G. Bryant . . . . .	159, 245	Feb. 2, 1875	5	2	7	185
Shoe and stocking, Combined rubber . . . . .	J. M. Bibbins . . . . .	170, 332	Nov. 23, 1875	1003	315	8	890
Shoe, Clnb-foot . . . . .	W. Antemrieth . . . . .	167, 867	Sept. 21, 1875	464	147	8	487
Shoe-dressing . . . . .	J. I. Eastman . . . . .	163, 855	June 1, 1875	18	7	7	933
Shoe, &c., dressing, Composition for . . . . .	J. H. Brown and J. G. Whiteside . . . . .	168, 229	Sept. 28, 1875	805	285	8	543
Shoe-edge-trimming machine . . . . .	C. J. Adley and E. S. Abbott . . . . .	167, 816	Sept. 21, 1875	417	133	8	481
Shoe-exhibiting device . . . . .	R. T. Leaverton . . . . .	161, 526	Mar. 30, 1875	1221	395	7	546

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Shoe-fastener.....	G. P. Reeves.....	106,031	July 27, 1875	893	276	8	168
Shoe-fastening.....	W. Edmeister.....	171,274	Dec. 21, 1875	617	201	8	1047
Shoe-fastening.....	W. J. McKee.....	171,301	Dec. 21, 1875	639	20J	8	1050
Shoe-fastening.....	T. Tucker.....	102,974	May 4, 1875	224	72	7	776
Shoe-horn.....	A. M. Cushing.....	159,159	Jan. 26, 1875	789	259	7	155
Shoe-knife.....	A. L. Beterworth.....	158,830	Jan. 19, 1875	462	155	7	154
Shoe-knife.....	H. S. Cushman.....	164,675	June 22, 1875	798	261	7	1066
Shoe-knife.....	W. J. Fitz Gerald.....	103,470	May 18, 1875	709	227	7	864
Shoe, Lady's.....	G. L. Davis.....	100,510	Mar. 9, 1875	242	83	7	392
Shoe-making, Feather-edge-skiving knife for.....	S. H. Reynolds and G. G. Newhall.....	158,439	Jan. 5, 1875	73	26	7	20
Shoe-nail.....	L. R. Blake.....	165,470	July 13, 1875	343	100	8	62
Shoe-nail.....	D. D. C. Pillsbury.....	171,043	Dec. 14, 1875	363	121	8	1006
Shoe-nail.....	H. F. Whidden.....	164,889	June 22, 1875	999	322	7	1092
Shoe-nail blank.....	L. R. Blake and G. McKay.....	159,015	June 26, 1875	665	217	7	137
Shoe-nail-making machine.....	L. Soule.....	159,852	Feb. 16, 1875	591	{ 195 196 }	{ 7 7 }	{ 278 278 }
Shoe-nails, Metallic strip for.....	G. McKay.....	167,349	Aug. 31, 1875	1141	359	8	393
Shoe nailing and tacking machine.....	L. Goddu.....	163,476	May 18, 1875	719	229	7	865
Shoe-nailing machine.....	P. H. Barstow.....	158,566	Jan. 12, 1875	204	70	7	53
Shoe-nailing machine.....	L. Goddu.....	163,477	May 18, 1875	722	239	7	865
Shoe-nailing machine.....	S. Harris.....	170,055	Nov. 16, 1875	756	229	8	848
Shoe-shanks, Die for forming spring.....	E. Briner.....	159,559	Feb. 9, 1875	313	102	7	235
Shoe-shanks, Machine for making metal.....	J. Hyslop, jr.....	159,577	Feb. 9, 1875	326	107	7	237
Shoe-shavo.....	T. Harrington.....	159,548	Feb. 9, 1875	306	99	7	234
Shoe-shavo.....	D. Harrington.....	161,958	Apr. 13, 1875	334	112	7	627
Shoe-stretcher.....	C. and P. Miller.....	163,229	May 11, 1875	474	154	7	816
Shoe, Swimming.....	O. G. Ahlstrom.....	169,396	Nov. 2, 1875	72	21	8	744
Shoe-tip.....	C. T. Grilley.....	164,447	June 15, 1875	591	192	7	1029
Shoe-tip.....	A. Van Wageuen.....	166,660	Aug. 10, 1875	451	139	8	271
Shoe-tip.....	H. White.....	159,991	Feb. 16, 1875	721	240	7	296
Shoe tip or protector.....	C. T. Grilley.....	166,361	Aug. 3, 1875	158	49	8	222
Shoe tip or protector.....	C. T. Grilley.....	166,362	Aug. 3, 1875	159	49	8	222
Shoe tip or protector.....	C. T. Grilley.....	166,769	Aug. 17, 1875	572	176	8	227
Shoe-tips, Machine for making.....	J. A. Stockwell.....	170,128	Nov. 16, 1875	794	252	8	854
Shoe-tips, Machine for making.....	J. H. Hussey.....	159,181	Jan. 26, 1875	811	266	7	157
Shoe-tongue.....	W. J. Windram.....	171,203	Dec. 14, 1875	527	174	8	1027
Shoe-upper.....	J. L. Perry.....	158,604	Jan. 12, 1875	238	80	7	57
Shoes, Elastic goring for.....	H. A. Blanchard.....	167,732	Sept. 14, 1875	323	103	8	459
Shoes, Manufacture of.....	W. Froelich.....	160,553	Mar. 9, 1875	305	103	7	401
Shoemakers, Combined cutter-wheel and paneling device for.....	J. W. Carver.....	167,430	Sept. 7, 1875	47	14	8	412
Shoemaker's knife.....	G. R. J. Ruggles.....	164,104	June 8, 1875	258	88	7	977
Shoemaker's knife.....	A. C. Wetherbee.....	168,818	Oct. 11, 1875	477	155	8	610
Shot-charger.....	G. A. Capewell.....	162,349	Apr. 20, 1875	702	228	7	681
Shot-charger.....	P. Ziegel.....	162,734	Apr. 27, 1875	1093	346	7	737
Shot-charger for shot-pouches.....	J. S. Long.....	166,791	Aug. 17, 1875	590	182	8	300
Shoulder-brace and suspenders, Combined.....	H. S. Archer.....	171,207	Dec. 21, 1875	554	181	8	1039
Shovel:							
See Coal-shovel.....	Fire-shovel.....						
Shovel.....	T. J. Blake.....	161,321	Mar. 30, 1875	1023	333	7	521
Shovel.....	P. B. Cunningham.....	160,170	Feb. 23, 1875	894	294	7	327
Shovel.....	I. Munroe.....	160,343	Mar. 2, 1875	78	27	7	360
Shovel.....	C. H. Sayre.....	162,312	Apr. 20, 1875	668	218	7	677
Shovel and ash-pan lifter, Combined.....	A. Johnson.....	161,044	Mar. 23, 1875	742	244	7	477
Shovel and fork lifting attachment.....	F. M. Gardner.....	161,678	Apr. 6, 1875	77	27	7	580
Shovel-blades, Die for cutting, molding, and punching.....	P. B. Cunningham.....	166,347	Aug. 3, 1875	147	45	8	220
Shovel-blanks, Casting.....	E. Biins and E. A. Barues.....	162,145	Apr. 20, 1875	514	169	7	657
Shovel-blaps, Manufacture of.....	J. C. Klein.....	171,142	Dec. 14, 1875	464	152	8	1019
Shovels, Manufacture of.....	T. J. Blake.....	162,146	Apr. 20, 1875	515	170	7	657
Show-cards, Ornamentation of.....	L. C. Goodale.....	162,912	May 4, 1875	160	52	7	768
Show-case.....	R. H. Hasenritter.....	167,335	Aug. 31, 1875	1128	354	8	391
Show-case.....	A. and C. Lange.....	158,504	Jan. 5, 1875	137	46	7	28
Show-case.....	W. B. Smith.....	165,034	June 29, 1875	1141	368	7	1118
Show-case corner.....	M. Anderson.....	158,823	Jan. 19, 1875	456	152	7	103
Shower-bath.....	A. Macqueen, jr.....	166,212	Aug. 3, 1875	26	9	8	202
Shutter and blind fastener.....	C. B. Haynes.....	160,672	Mar. 9, 1875	381	129	7	412
Shutter and blind fastening.....	C. H. Craig.....	161,329	Mar. 30, 1875	1030	335	7	522
Shutter-bolt.....	J. Mitchell.....	170,104	Nov. 16, 1875	774	245	8	851
Shutter-bower.....	J. B. Hand.....	160,671	Mar. 9, 1875	380	129	7	412
Shutter bower and fastener.....	G. F. S. and C. Zimmerman.....	163,621	May 25, 1875	872	274	7	892
Shutter bower and fastener, Combined.....	J. Fellows and J. Finnegan.....	168,563	Oct. 11, 1875	247	80, 81	8	607
Shutter-fastener.....	J. Arnold.....	171,336	Dec. 21, 1875	668	226	8	1054
Shutter-fastener.....	J. Christie.....	158,779	Jan. 19, 1875	414	139	7	97
Shutter-fastener.....	H. H. Ham, jr.....	162,546	Apr. 27, 1875	909	291	7	714
Shutter-fastener.....	A. D. Judd.....	162,563	Apr. 27, 1875	924	296	7	716
Shutter-fastener.....	C. Russell.....	161,556	Mar. 30, 1875	1246	401	7	550
Shutter-fastener.....	J. Sheid.....	166,819	Aug. 17, 1875	614	190	8	304
Shutter-fastener.....	S. C. Tuckerman.....	170,210	Nov. 22, 1875	894	279	8	871
Shutter-fastening.....	R. L. Pruyu.....	167,934	Sept. 21, 1875	515	164	8	495
Shutter-fastening.....	C. A. Smith.....	168,037	Sept. 21, 1875	631	202	8	512
Shutter, Fire-proof.....	S. Fales.....	162,811	May 4, 1875	70	22	7	756
Shutter, Fire-proof.....	G. E. Kissam.....	164,566	June 15, 1875	690	234	7	1043
Shutter, Fire-proof.....	J. D. Pierce and J. B. Smith.....	167,270	Aug. 31, 1875	1071	334	8	323
Shutter, Rolling.....	H. J. Deffenre.....	159,307	Feb. 9, 1875	56	21	7	192
Shutter, Window.....	S. Victor.....	170,789	Dec. 7, 1875	122	39	8	966
Shutter-worker.....	J. Bonsall.....	160,255	Mar. 2, 1875	3	1	7	349
Shutter-worker.....	T. J. Carroll.....	164,519	June 15, 1875	650	210	7	1037
Shutter-worker.....	H. A. Houss.....	170,171	Nov. 23, 1875	862	269	8	870
Shutter-worker.....	J. D. Hughson.....	167,252	Aug. 31, 1875	1058	329	8	381
Shutter-worker.....	W. M. Lamphere.....	164,463	June 15, 1875	605	196	7	1031
Shutter-worker, blind-slat adjuster, and sash-fastener, Combined.....	H. J. Dickerson.....	168,887	Oct. 19, 1875	546	179	8	658
Shuttle-box mechanism.....	G. Crompton.....	161,487	Mar. 30, 1875	1185	{ 379 380 }	{ 7 7 }	{ 511 511 }
Shuttle-box mechanism.....	G. Crompton.....	161,488	Mar. 30, 1875	1187	381	7	511

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Shuttle, Weaver's	J. A. Crosby	161, 101	Mar. 23, 1875	800	262	7	484
Sidewalks, Device for distributing ashes on icy	W. W. Hughes	164, 562	June 15, 1875	626	223	7	1042
Siding-gage	C. Sargent	167, 791	Sept. 14, 1875	379	121	6	417
Siding-gage and bracket	W. S. Payn	170, 964	Dec. 14, 1875	298	99	6	997
Siding, Machine for cutting	W. W. Le Grande	164, 381	June 15, 1875	527	173	7	1021
Steve	O. Bond	166, 680	Aug. 17, 1875	429	149	6	285
Steve	J. Epeneter and C. B. Grahl	163, 083	June 29, 1875	1184	381	7	1124
Steve	A. Root	170, 117	Nov. 16, 1875	783	249	7	852
Steve, Flour	G. C. Eastman	164, 436	June 15, 1875	551	188	7	1028
Sifter, Ash	F. Anties	160, 807	Mar. 16, 1875	533	173	7	439
Sifter, Ash	W. Baumann	167, 295	Aug. 31, 1875	1093	343	8	366
Sifter, Ash	A. C. Ferris	167, 655	Sept. 14, 1875	256	80	8	449
Sifter, Ash	J. H. Goodfellow	159, 666	Feb. 9, 1875	403	134	7	248
Sifter, Ash	J. H. Goodfellow	159, 668	Feb. 9, 1875	405	134	7	248
Sifter, Ash	M. B. Hull and A. Eppler	167, 101	Aug. 24, 1875	901	281	8	352
Sifter, Ash	W. Montgomery	163, 571	Apr. 27, 1875	929	298	7	717
Sifter, Ash	J. Sutton	163, 712	Apr. 27, 1875	1067	339	7	734
Sifter, Coal	J. S. Pearce	158, 808	Jan. 19, 1875	411	147	7	101
Sifter, Flour	W. T. Lintacs, M. E. Weller, and D. S. Kellogg	169, 454	Nov. 2, 1875	119	38	8	751
Sifter, Flour	A. W. Smith	158, 536	Jan. 5, 1875	161	55	7	31
Sifting coal-ashes, Implement for	J. Waldron	170, 317	Nov. 23, 1875	988	310	8	888
Sifting device, Ash	J. H. Goodfellow	159, 667	Feb. 9, 1875	404	134	7	248
Sight-protector	M. H. Mendenhall	162, 298	Apr. 20, 1875	655	213	7	675
Sight-protector	M. H. Mendenhall	171, 403	Dec. 21, 1875	731	240	8	1062
Sign	F. Billingham	162, 144	Apr. 20, 1875	514	169	7	657
Sign	H. J. Blowney	164, 514	June 15, 1875	646	209	7	1036
Sign	D. D. Young	168, 204	Sept. 28, 1875	793	252	8	511
Sign and banner, Wire	H. H. Upham, J. Garrett, and J. Tully	168, 687	Oct. 11, 1875	359	118	8	623
Sign and order-slate, Combined	J. S. Gold	167, 330	Aug. 31, 1875	1124	353	8	390
Sign, Illuminated	F. McLevee	159, 596	Feb. 9, 1875	340	113	7	240
Sign, Illuminating	C. H. Sewell	163, 697	May 25, 1875	930	296	7	899
Sign-plate	H. T. Dewey	169, 680	Nov. 9, 1875	356	112	8	789
Sign, Street	H. S. Finney	160, 891	Mar. 16, 1875	600	195	7	448
Sign, Street	G. B. King	159, 550	Feb. 9, 1875	308	100	7	234
Signs and banners, Frame for open-work	E. F. Southward	162, 203	Apr. 20, 1875	568	186	7	664
Signal:							
See Electric signal.	Railway-crossing signal.						
Fire-alarm signal.	Railway time-signal.						
Fog-signal.	Switch-signal.						
Railway-signal.	Telegraphic signal.						
Signal-operating device	F. Culham	164, 719	June 22, 1875	841	273	7	1072
Signaling and recording apparatus, Electric	W. J. Phillips	164, 031	June 1, 1875	164	58	7	953
Signaling apparatus, Electric	T. A. Edison and C. Batchelor	169, 972	Nov. 16, 1875	651	203	8	834
Signaling device	H. Kimmsley	171, 517	Dec. 28, 1875	855	279	8	1088
Singeing-furnace	B. Rose	170, 018	Nov. 16, 1875	691	217	8	840
Single-tree hook and clip	M. S. Curtiss	163, 629	Apr. 27, 1875	976	314	7	723
Sink	W. Donovan	171, 092	Dec. 14, 1875	333	110	8	1002
Sink	L. Jones, jr.	169, 551	Nov. 2, 1875	211	70	8	763
Sink	L. Robinson	168, 052	Sept. 21, 1875	626	201	8	512
Sink attachment	J. Murdock	160, 540	Mar. 9, 1875	269	91	7	396
Size compound	T. Ende	159, 594	Feb. 9, 1875	261	87	7	228
Sizing composition	S. B. Dorlan	170, 352	Nov. 23, 1875	1019	328	8	892
Skate	J. C. Depler and E. V. Tanner	165, 216	July 6, 1875	71	20	8	18
Skate	R. H. Earle	160, 087	Feb. 23, 1875	825	271	7	317
Skate	O. Edwards	163, 307	May 18, 1875	568	182	7	845
Skate	O. Edwards	163, 308	May 18, 1875	569	182	7	845
Skate	O. Edwards	170, 943	Dec. 14, 1875	274	91	8	994
Skate	L. S. Ingraham	162, 174	Apr. 20, 1875	542	178	7	661
Skate	J. D. Kellogg, jr.	161, 883	Apr. 13, 1875	271	91	7	619
Skate	P. Rodier	164, 039	June 1, 1875	172	61	7	954
Skelp-forming roll	J. C. Getz	166, 359	Aug. 3, 1875	157	48	8	222
Sketching and phonographic case	T. J. Phillips	165, 666	July 20, 1875	552	168	8	108
Skid, Portable	G. E. Harrington	169, 909	Nov. 16, 1875	666	209	8	837
Skins, Currying calf	P. Ware, jr.	167, 142	Aug. 24, 1875	938	307	8	357
Skins, Method and apparatus for dyeing wool on sheep	A. Jack	160, 677	Mar. 9, 1875	385	130	7	413
Skins, Process of dressing	R. Hart	169, 102	Oct. 26, 1875	774	252	8	696
Skins, Process of fleshing, dressing, and finishing sheep	R. Hart	160, 902	Mar. 16, 1875	609	207	7	449
Skipping apparatus	J. A. Grandall	169, 625	Nov. 9, 1875	301	97	8	782
Skirt	J. McCowan	164, 317	June 8, 1875	453	149	7	1002
Skirt-adjuster	A. S. Gear	171, 474	Dec. 28, 1875	808	266	8	1082
Skirt-elevator	G. W. Denny	165, 315	July 6, 1875	156	47	8	37
Skirts, &c., Ornamental fabric for	A. Komp	170, 380	Nov. 23, 1875	1043	328	8	895
Skirts, &c., Ornamenting	I. Hauser	164, 297	June 8, 1875	434	144	7	1000
Skirts, Ornamenting	J. Schoenhof	163, 335	May 18, 1875	594	190	7	948
Skirt-protector	T. D. Day	161, 012	Mar. 23, 1875	713	236	7	473
Skirt-supporter	M. P. Bray	163, 730	May 25, 1875	961	301	7	903
Skirt-supporter	C. P. Clark	164, 905	June 29, 1875	1033	333	7	1104
Skiving and welt-splitting machine	J. W. Field	165, 412	July 13, 1875	281	83	8	54
Skylight	A. Querner and T. Burke	166, 890	Aug. 17, 1875	684	212	6	313
Skylight-bar	J. Harvey	160, 518	Mar. 9, 1875	270	85	7	393
Skylight-bar	A. J. Pest	159, 353	Feb. 2, 1875	102	35	7	198
Slag, Disintegrating furnace	C. Diebold	170, 717	Dec. 7, 1875	59	17	8	958
Slag, Machine for granulating	S. Robbins	164, 397	June 15, 1875	543	178	7	1023
Slaf	C. C. Shepherd	165, 126	June 29, 1875	1223	393	7	1129
Slate-cleaning block	A. H. Bryant	170, 340	Nov. 23, 1875	1009	316	8	891
Slate-cutting machine	T. W. Parry	163, 944	June 1, 1875	89	30	7	943
Slate-frame	J. H. Barbarick	161, 732	Apr. 6, 1875	124	43	7	586
Slate-frame	J. Haggerty	166, 523	Aug. 10, 1875	332	101	8	254
Slate-frame	J. W. and C. M. Hyatt	159, 681	Feb. 9, 1875	417	139	7	250
Slate-frame	W. A. Miller	164, 019	June 1, 1875	152	54	7	951
Slate-frame	N. A. Porter	159, 839	Feb. 16, 1875	579	192	7	277
Slate-frame	C. J. Shields	158, 444	Jan. 5, 1875	80	28	7	20

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Slate-frames, Machine for rounding the corners of	A. Stroh	162,505	Apr. 27, 1875	877	280	7	711
Slate-polisher	J. H. Coffin and P. S. Klotz	167,875	Sept. 21, 1875	472	149	8	488
Slate, School	C. D. Meigs, jr.	165,747	July 20, 1875	603	186	8	116
Slate, Transparent	C. C. Shepherd	160,287	Mar. 2, 1875	28	11	7	353
Slate-washer	L. L. Lyman and C. A. Bocll.	159,274	Feb. 2, 1875	29	10	7	188
Sled	S. E. Foster	158,481	Jan. 5, 1875	115	39	7	25
Sled, Bob	F. Dillon	171,271	Dec. 21, 1875	614	201	8	1047
Sled, Bob	J. J. Saudgren	164,770	June 22, 1875	881	257	7	1017
Sled, Bob	J. Wampach	159,623	Feb. 9, 1875	360	119	7	242
Sled-brake	J. York	158,879	Jan. 19, 1875	501	169	7	109
Sled, Child's	H. N. Tucker	170,919	Dec. 7, 1875	232	79	8	982
Sled, Hand	J. B. Monroe	160,837	Mar. 16, 1875	556	180	7	442
Sled, Log	H. S. Bartlett	163,042	May 11, 1875	204	98	7	794
Sled-propeller	D. W. De Forest	170,715	Dec. 7, 1875	57	17	8	958
Sled-propeller	C. Schwager	171,179	Dec. 14, 1875	497	164	8	1024
Sled-propeller	C. Schwager and J. Wissen	164,221	June 8, 1875	355	122	7	990
Sled-runner	R. B. Bird	162,266	Apr. 20, 1875	628	204	7	672
Sleeve-adjuster	A. Perogo	170,641	Nov. 30, 1875	1306	412	8	939
Sleeve-protector	O. H. Dunn	165,921	July 27, 1875	915	283	8	154
Sleigh	A. A. Abbott	166,055	July 27, 1875	915	283	8	170
Sleigh	T. Brown	167,739	Sept. 14, 1875	327	105	8	460
Sleigh	G. McConnell	168,039	Sept. 21, 1875	610	196	8	509
Sleigh	T. F. Moore	159,036	Jan. 26, 1875	683	225	7	140
Sleigh	R. B. Parks	168,180	Sept. 28, 1875	772	244	8	538
Sleigh	J. M. Story	167,627	Sept. 14, 1875	232	72	8	445
Sleigh	B. F. Sweet	169,056	Oct. 19, 1875	708	233	8	680
Sleigh-bell	G. W. Goff	166,521	Aug. 10, 1875	331	100	8	254
Sleigh-bell	R. and H. Marbach	166,396	Aug. 3, 1875	198	59	8	226
Sleigh-knee	M. Glassbrook	162,469	Apr. 27, 1875	643	207	7	766
Sleigh-knees, Manufacture of	W. H. Lloyd	171,295	Dec. 21, 1875	834	271	8	1049
Sleigh-runner	H. Smith	165,624	July 13, 1875	484	147	8	84
Sleigh-runner frames, Device for bending	J. W. and E. W. Karn	165,103	June 29, 1875	1205	387	7	1127
Sleighs, Lance for propelling	A. Corbett	165,547	July 13, 1875	411	123	8	73
Slicing-utensil, Kitchen	A. Iske	162,823	May 4, 1875	79	26	7	757
Slide-rests, Locking device for	M. J. Shiner	158,747	Jan. 12, 1875	361	123	7	75
Sliding-gate	J. P. McMurray	163,675	May 25, 1875	912	290	7	897
Sluice-gate	T. Parker	168,521	Oct. 5, 1875	186	50, 61	8	590
Smelting-furnace	H. C. Creal	165,477	July 13, 1875	349	102	8	63
Smelting-furnace for lead-ores	J. A. Hamilton	159,669	Feb. 9, 1875	406	135	7	248
Smelting-furnace, Lead	J. V. Woodhouse	168,440	Oct. 5, 1875	104	36	8	580
Smelting-furnace, Ore	W. E. C. Eustis	166,977	Aug. 24, 1875	781	241	8	335
Smoke and cinder conductor	D. L. Brancher and J. L. Ring	160,301	Mar. 2, 1875	38	15	7	354
Smoke-consuming furnace	D. Argerbright and W. Allensworth	159,141	Jan. 26, 1875	772	254	7	152
Smoke-consuming furnace	D. Argerbright and W. Allensworth	160,378	Mar. 2, 1875	107	39	7	364
Smoke-consuming furnace	J. C. Baum	163,295	May 18, 1875	554	{ 177 178 }	7	843
Smoke-consuming furnace	W. L. Powlesson	159,964	Feb. 16, 1875	695	231	7	292
Smoke-houso	C. D. Hart	169,693	Nov. 9, 1875	376	118	8	792
Smoke-stack	J. L. Mason	164,652	June 22, 1875	778	255	7	1063
Smoke-stack heater-pipe	T. B. Field	161,108	Mar. 23, 1875	807	267	7	485
Smoking-case	H. W. Dann	165,215	July 6, 1875	71	28	8	18
Smoking-pipe	C. J. Jonasson	165,002	June 29, 1875	1114	359	7	1114
Smoking-pipe cover	F. L. Suter	165,274	July 6, 1875	112	36	8	25
Smoking-tube	J. C. Cook	163,976	June 1, 1875	113	38	7	946
Smoothing and fluting iron	W. D. Mayfield	164,012	June 1, 1875	145	51, 52	7	951
Smut-machine	D. Pease	169,289	Oct. 26, 1875	940	{ 305 306 }	8	720
Smut-mill	J. Richmond	158,524	Jan. 5, 1875	152	51	7	30
Smut-mill	W. Richmond, T. Ryand, and J. McGill	167,788	Sept. 11, 1875	377	{ 120 121 }	8	467
Snafile-bit, Rubber-covered	F. J. Nodino	160,341	Mar. 2, 1875	78	27	7	360
Snap-hook	C. B. Bristol	169,234	Oct. 26, 1875	889	289	8	713
Snap-hook	C. Dudley	171,361	Dec. 21, 1875	690	227	8	1057
Snap-hook	J. Eberle	163,056	May 11, 1875	316	101	7	795
Snap-hook	J. T. Foster	159,313	Feb. 2, 1875	60	22, 23	7	191
Snap-hook	J. T. Foster	159,403	Feb. 2, 1875	146	19, 50	7	205
Snap-hook	H. C. Goodrich	167,399	Sept. 7, 1875	19	5	8	469
Snap-hook	C. E. Jackson	165,333	July 6, 1875	173	53	8	32
Snap-hook	E. Kempsball	165,933	July 27, 1875	504	247	8	155
Snap-hook	G. Reynolds	165,122	June 29, 1875	1220	342	7	1129
Snap-hook	J. B. Tainter	171,590	Dec. 28, 1875	920	301	8	1097
Snap-hook	A. J. Vaughan	161,843	Apr. 6, 1875	225	75	7	661
Snap-hooks, Machine for forming	J. T. Foster	159,314	Feb. 2, 1875	61	23, 21	7	193
Snap-hooks, Manufacture of	A. C. Conde	160,879	Mar. 16, 1875	590	192	7	447
Snatch-block	A. Hunt	168,498	Oct. 5, 1875	160	52	8	587
Snow-melting machine	J. Cody	171,602	Dec. 28, 1875	931	305	8	1099
Soap	J. T. Hoge and R. D. Schultz	166,609	Aug. 10, 1875	407	135	8	265
Soap	S. Strunz	165,627	July 13, 1875	486	155	8	84
Soap-alkali	L. N. Stern	160,726	Mar. 9, 1875	431	141	7	419
Soap, Apparatus for variegating	G. C. Wenzel	163,828	May 25, 1875	1041	330	7	915
Soap, Bleaching	P. Burns	168,223	Sept. 28, 1875	806	261	8	543
Soap-boiling apparatus	M. J. Palmer	169,472	Nov. 2, 1875	136	44	8	753
Soap-composition	W. F. Darobny	169,967	Nov. 16, 1875	646	211	8	834
Soap-compound	B. F. Burke	159,646	Feb. 9, 1875	373	121	7	244
Soap-compound	G. L. S. Jenifer	167,669	Sept. 14, 1875	268	88	8	451
Soap-cutting machine	C. F. Sieber	164,400	June 15, 1875	545	179	7	1023
Soap-cutting machines, Attachment to	J. C. Ralston	167,936	Sept. 21, 1875	516	165	8	496
Soap-holder	J. P. Bryan	164,801	June 22, 1875	915	297	7	1081
Soap-holder	E. Cundey	162,905	May 4, 1875	155	50	7	767
Soap-holder	W. J. Johnson	167,769	Sept. 14, 1875	362	115	8	464
Soap, Impalpable	J. P. Bryan	163,571	May 25, 1875	821	271	7	885
Soap, Manufacture of	C. Lehmann	158,720	Jan. 12, 1875	312	101	7	72
Soap-press	A. Neupert	163,232	May 11, 1875	477	154	7	817

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Soap-slabbing machine.....	J. C. Ralston.....	166, 891	Aug. 17, 1875	685	212	8	313
Soap, Transparent.....	S. Strunz.....	164, 606	June 15, 1875	723	236	7	1048
Soap, Transparent advertising.....	S. Strunz.....	165, 628	July 13, 1875	487	148	8	84
Sock, mitten, &c.....	J. Kent.....	163, 209	May 11, 1875	456	147	7	814
Socket-coupling.....	A. S. Wadleigh.....	169, 203	Oct. 26, 1875	861	281	8	710
Sod-cutter.....	R. Hinkson and N. P. Hinkley.....	160, 321	Mar. 2, 1875	70	21	7	357
Sod-cutter.....	J. McArdle.....	161, 048	Mar. 23, 1875	645	245	7	477
Soda-fountain.....	J. Matthews.....	159, 431	Feb. 2, 1875	171	58	7	208
Soda-fountain.....	F. W. Wiessbrock.....	161, 845	Apr. 6, 1875	226	76	7	601
Soda-fountain, Double-faucet.....	F. T. Paine.....	168, 280	Sept. 28, 1875	858	273	8	550
Soda, Manufacture of caustic.....	H. Gaskell, jr.....	169, 800	Nov. 9, 1875	486	—	8	806
Soda-water apparatus.....	W. Longbridge.....	165, 343	July 6, 1875	183	55	8	34
Soda-water draft apparatus.....	W. Gee.....	159, 915	Feb. 16, 1875	659	215	7	286
Soda-water draft-tube.....	J. C. Wharton.....	168, 201	Sept. 28, 1875	791	251	8	541
Soda-water fountain.....	C. Greiner.....	170, 551	Nov. 30, 1875	1220	383	8	928
Soda-water fountain.....	J. Matthews.....	159, 432	Feb. 2, 1875	172	59	7	208
Soda-water fountain.....	F. W. Wiessbrock.....	166, 440	Aug. 3, 1875	242	74	8	233
Soda-water fountains, Making.....	A. D. Puffer.....	167, 688	Sept. 14, 1875	283	90	8	453
Soda-water generator.....	J. Anderson.....	162, 212	Apr. 20, 1875	576	189	7	665
Sofa.....	N. M. Mackenzie.....	170, 678	Dec. 7, 1875	23	7	8	954
Sofa.....	T. Ramsden.....	167, 565	Sept. 7, 1875	163	51	8	429
Sofa and table, Convertible.....	C. C. Harris.....	170, 260	Nov. 23, 1875	941	293	8	881
Solder-melting apparatus.....	J. P. Hayes.....	167, 171	Aug. 31, 1875	991	308	8	371
Soldering apparatus.....	L. McMurray.....	171, 625	Dec. 28, 1875	968	313	8	1103
Soldering apparatus.....	G. H. Perkins.....	165, 362	July 6, 1875	199	60	8	36
Soldering-clamp.....	M. Taudy.....	164, 232	June 8, 1875	371	126	7	992
Soldering-iron.....	J. Angular.....	167, 969	Sept. 21, 1875	541	174	8	499
Soldering-iron.....	A. Anderson and L. W. Goldy.....	170, 800	Dec. 7, 1875	133	44	8	968
Soldering-iron heater.....	J. S. Hull.....	162, 657	Apr. 27, 1875	1004	322	7	727
Soldering-iron heater.....	C. J. Rogers.....	164, 216	June 8, 1875	352	121	7	990
Soldering-irons, Furnace for heating.....	P. P. Beals.....	165, 200	July 6, 1875	57	17	8	16
Soldering-machine.....	W. L. Bailio.....	162, 880	May 4, 1875	130	43	7	764
Soldering-machine.....	W. D. Brooks.....	161, 200	Mar. 23, 1875	884	290	7	495
Soldering-machine.....	G. W. Fisher.....	159, 542	Feb. 9, 1875	302	98	7	233
Soldering-machine.....	L. P. Merriam.....	167, 554	Sept. 7, 1875	153	48	8	428
Soldering-machine.....	R. H. Smith.....	161, 289	Mar. 23, 1875	977	319	7	507
Soldering process.....	M. A. Richardson.....	169, 192	Oct. 26, 1875	849	277	8	708
Soldering sheet-metal lids, Machine for.....	G. H. Chincock.....	159, 903	Feb. 16, 1875	641	212	7	285
Soldering-tool.....	W. S. Macqueen.....	169, 820	Nov. 9, 1875	505	158	8	807
Soldering-tubes, Die for smoothing and shaping.....	P. Brown.....	166, 337	Aug. 3, 1875	139	43	8	219
Sole and heel shave for boots and shoes.....	G. P. Foster.....	159, 312	Feb. 2, 1875	59	22	7	193
Sole, Boot and shoe.....	H. E. Van Benschoten.....	160, 042	Feb. 23, 1875	786	259	7	312
Sole, Boot and shoe in.....	C. F. Hill.....	167, 762	Sept. 14, 1875	356	112	8	464
Sole-buffing roller.....	J. B. Johnson.....	167, 904	Sept. 21, 1875	494	156	8	492
Sole-buffing roller.....	J. B. Johnson.....	167, 905	Sept. 21, 1875	495	157	8	492
Sole-channeling machine.....	L. Goddu.....	167, 523	Sept. 7, 1875	127	39	8	424
Sole-edge machine.....	C. D. Bigelow.....	165, 060	June 29, 1875	1163	375	7	1121
Sole edge trimmer, Shoe.....	J. W. Lefferts.....	164, 569	June 15, 1875	693	225	7	1043
Sole edge trimming machine, Boot and shoe.....	R. F. Burns.....	158, 569	Jan. 12, 1875	207	70	7	53
Sole-fastening.....	L. Goddu.....	162, 643	Apr. 27, 1875	990	318	7	725
Sole-fastening.....	B. F. Sturtevant.....	159, 777	Feb. 16, 1875	523	174	7	270
Sole-fastening.....	B. F. Sturtevant.....	162, 970	May 4, 1875	221	71	7	776
Sole-fastening.....	F. O. Tobey.....	169, 062	Oct. 19, 1875	713	235	8	681
Sole-fastening materials, Apparatus for preparing.....	B. F. Sturtevant.....	162, 969	May 4, 1875	220	70	7	776
Sole-fastening nail.....	L. Goddu.....	169, 257	Oct. 26, 1875	910	296	8	716
Sole-fastening nail.....	A. Van Wageningen.....	166, 663	Aug. 10, 1875	454	140	8	271
Sole-fastening rod.....	B. F. Sturtevant.....	162, 972	May 4, 1875	223	72	7	776
Sole-fastening shoe.....	H. S. Cushman.....	169, 894	Nov. 16, 1875	587	182	8	826
Sole-fastening webs, Machine for severing.....	B. F. Sturtevant.....	166, 430	Aug. 3, 1875	233	71	8	232
Sole-fastenings, Machine for compressing.....	B. F. Sturtevant.....	159, 559	Feb. 16, 1875	598	198	7	279
Sole-fastenings, Nail-strip for.....	A. Van Wageningen.....	166, 659	Aug. 10, 1875	459	139	8	271
Sole-fastenings, Nail-strip for.....	A. Van Wageningen.....	166, 661	Aug. 10, 1875	452	139	8	271
Sole-fastenings, Nail-strip for.....	A. Van Wageningen.....	166, 662	Aug. 10, 1875	453	139	8	271
Sole-fastenings, Process for manufacture of.....	B. F. Sturtevant.....	162, 971	May 4, 1875	222	71	7	776
Sole for boots and shoes, Inner.....	A. Van Wageningen.....	166, 664	Aug. 10, 1875	455	140	8	271
Sole for shoes, Cork.....	C. Thackeray.....	161, 994	Apr. 13, 1875	363	122	7	631
Sole, Inner.....	E. P. Blossom and G. H. Clark.....	168, 604	Oct. 11, 1875	287	93	8	612
Sole-lining mechanism for boots and shoes.....	R. Dwyer.....	169, 790	Nov. 9, 1875	477	150	8	804
Sole machine, Shoe.....	J. W. Lefferts.....	165, 595	July 13, 1875	452	137	8	79
Sole nailing machine, Shoe.....	L. Goddu.....	163, 474	May 18, 1875	713	238	7	864
Sole tips, Device for forming shoe.....	J. J. Henry.....	158, 939	Jan. 19, 1875	566	188	7	117
Soles and uppers, Machine for uniting boot and shoe.....	G. McKay and H. P. Fairfield.....	169, 463	Nov. 2, 1875	128	41	8	752
Soles and uppers of boots and shoes, Uniting.....	G. V. Sheffield.....	168, 420	Oct. 5, 1875	90	31	8	578
Soles for boots and shoes, Die for flanging.....	F. D. Ballou.....	158, 882	Jan. 19, 1875	507	170	7	585
Soles, Hand-tool for channeling.....	L. Goddu.....	168, 478	Oct. 5, 1875	141	47	8	585
Soles of boots and shoes, Machine for edge-setting.....	B. J. Tayan.....	162, 206	Apr. 20, 1875	570	187	7	664
Soles of boots and shoes, Machinery for heating out.....	S. D. Tripp.....	164, 235	June 8, 1875	373	127	7	992
Soles of boots and shoes, Mechanism for molding.....	W. H. Palmer.....	162, 764	May 4, 1875	26	9	7	750
Soles of boots and shoes, Metallic fastening for.....	G. McKay.....	162, 087	Apr. 13, 1875	440	147	7	641
Soles to boots and shoes, Machine for attaching.....	C. W. Collyer.....	164, 363	June 15, 1875	510	168	7	1019
Soles to uppers, Fastening for uniting.....	B. F. Sturtevant.....	158, 999	Jan. 19, 1875	625	207	7	125
Solvents, Apparatus for the use and recovery of vaporized.....	J. R. Whiting and W. A. Lawrence.....	170, 424	Nov. 23, 1875	1086	342	8	901
Sower, Broadcast seed.....	R. Farnas.....	164, 159	June 8, 1875	303	104	7	983
Sower, Grass-seed.....	H. Moore.....	158, 432	Jan. 5, 1875	68	24	7	19
Sower, Plaster.....	F. C. Meder.....	161, 145	Mar. 23, 1875	840	274	7	489
Sower, Seed.....	J. Burke.....	165, 406	July 13, 1875	276	82	8	53
Sower, Seed.....	J. W. Talley.....	161, 991	Apr. 13, 1875	361	121	7	630
Sower, Seed.....	A. Walker.....	160, 733	Mar. 9, 1875	440	146	7	420
Spade, Rotary.....	W. C. B. Richardson.....	166, 721	Aug. 17, 1875	529	162	8	291
Spark-arrester.....	D. Allard.....	159, 137	Jan. 26, 1875	769	253	7	152
Spark-arrester.....	D. Allard.....	171, 594	Dec. 28, 1875	925	303	8	1098

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Spark-arrester.....	R. Brayton, D. June, and O. S. French.	167, 738	Sept. 14, 1875	326	104	8	459
Spark-arrester.....	J. W. Buel.....	159, 017	Jan. 26, 1875	667	218	7	137
Spark-arrester.....	J. H. Carr.....	158, 904	Jan. 19, 1875	535	178	7	113
Spark-arrester.....	J. Du Bois.....	165, 662	July 20, 1875	531	162	8	166
Spark-arrester.....	C. L. Eastman.....	165, 080	June 29, 1875	1182	380	7	1124
Spark-arrester.....	W. Halsted.....	168, 091	Sept. 28, 1875	686	217	8	326
Spark-arrester.....	D. Hawkesworth.....	166, 870	Aug. 17, 1875	663	206	8	310
Spark-arrester.....	C. W. Humphreys and J. S. McCleary.	162, 070	Apr. 13, 1875	427	142	7	639
Spark-arrester.....	M. B. Mason.....	161, 803	Apr. 6, 1875	182	62	7	595
Spark-arrester.....	J. W. Nesmith.....	169, 831	Nov. 9, 1875	514	161	8	809
Spark-arrester.....	D. R. Proctor.....	164, 393	June 15, 1875	537	177	7	1023
Spark-arrester.....	W. H. Richardson.....	162, 691	Apr. 27, 1875	1043	333	7	731
Spark-arrester.....	C. G. Roberts.....	162, 498	Apr. 27, 1875	871	279	7	710
Spark-arrester.....	W. Stapp.....	164, 662	June 22, 1875	786	258	7	1065
Spark-arrester.....	J. Summers and G. W. Fay.....	158, 870	Jan. 19, 1875	497	167	7	108
Spark-arrester.....	D. Wisser and H. Schmieders.....	165, 907	July 20, 1875	763	233	8	138
Spark-arrester and stove-register, Combined.....	T. R. Freeman and P. Y. Jones.....	166, 981	Aug. 24, 1875	785	242	8	336
Spark-arrester, Locomotive.....	A. Berney.....	163, 568	May 25, 1875	810	260	7	885
Spark-arrester, Locomotive.....	A. Mitchell.....	169, 456	Mar. 9, 1875	179	62	7	374
Spark-arrester, Locomotive.....	C. S. and E. Osborn.....	166, 611	Mar. 9, 1875	332	112	7	405
Spark-arrester, Locomotive.....	W. M. Thornton.....	166, 040	July 27, 1875	901	278	8	169
Spark-arrester, Locomotive.....	W. G. Van Baskirk.....	168, 299	Sept. 28, 1875	874	280	8	553
Spark-conveyer.....	C. K. Cullers.....	169, 964	Nov. 16, 1875	644	202	8	833
Speaking-tube.....	D. E. Campbell and J. R. Creighton.	168, 137	Sept. 28, 1875	733	231	8	533
Speaking-tube.....	R. H. Hooper.....	170, 672	Dec. 7, 1875	17	5	8	953
Speaking-tube.....	B. Howard and J. Beadle.....	162, 476	Apr. 27, 1875	850	273	7	707
Spear, Fish.....	M. Jinks.....	168, 335	Oct. 5, 1875	16	6	8	567
Spectacle-frame.....	J. W. Stewart.....	170, 644	Nov. 30, 1875	1308	413	8	940
Spectacles.....	J. Gall.....	163, 648	May 25, 1875	894	283	7	895
Spectacles.....	F. Yeiser.....	170, 735	Dec. 7, 1875	128	42	8	968
Speculum.....	E. B. Harding and E. W. Higbee.....	170, 851	Dec. 7, 1875	174	59	8	974
Speculum.....	E. W. Higbee.....	167, 666	Sept. 14, 1875	266	83	8	451
Speed-changing device.....	J. W. Mead.....	168, 912	Oct. 19, 1875	577	190	8	662
Speed-indicator.....	M. A. Wier.....	170, 213	Nov. 23, 1875	896	280	8	874
Speed-measure.....	E. Brown.....	168, 870	Oct. 19, 1875	533	175	8	656
Speed-measure.....	S. F. Minton.....	164, 861	June 22, 1875	972	314	7	1088
Speed-regulator, Propeller.....	E. E. Bean.....	161, 376	Mar. 30, 1875	1079	349	7	528
Speeder.....	T. Mayor.....	165, 352	July 6, 1875	192	57	8	350
Speeders, &c., Roller-bearing for.....	S. Dyer.....	167, 651	Sept. 14, 1875	255	79	8	449
Sphygmoscope.....	E. A. Pond.....	161, 821	Apr. 6, 1875	205	60	7	598
Sphygmoscope.....	W. R. Pond.....	167, 785	Sept. 14, 1875	374	120	8	466
Spice-box.....	J. E. Camp.....	160, 157	Feb. 23, 1875	883	291	7	326
Spice-box.....	E. Norton.....	163, 394	May 18, 1875	645	206	7	855
Spice-box.....	G. B. Wheeler.....	160, 631	Mar. 9, 1875	345	117	7	407
Spice-box.....	W. A. Wicks.....	162, 130	Apr. 13, 1875	485	160	7	646
Spice-box, Revolving.....	T. W. F. Snitten.....	155, 122	Jan. 26, 1875	759	249	7	150
Spice-cabinet.....	R. H. Davics.....	164, 152	June 8, 1875	297	102	7	982
Spiegelcisen, Manufacture of.....	J. H. Etheridge.....	169, 793	Nov. 9, 1875	480	.....	8	805
Spike.....	J. J. Adgate.....	158, 665	Jan. 12, 1875	296	100	7	65
Spike.....	C. K. Marshall.....	161, 975	Apr. 13, 1875	348	117	7	620
Spike.....	G. N. Sanders.....	159, 457	Feb. 2, 1875	190	65	7	212
Spike.....	G. N. Sanders.....	159, 611	Feb. 9, 1875	352	116	7	241
Spike.....	G. N. Sanders.....	164, 878	June 22, 1875	991	319	7	1090
Spike.....	G. N. Sanders.....	171, 486	Dec. 28, 1875	823	270	8	1084
Spike.....	T. R. Timby.....	171, 447	Dec. 21, 1875	767	253	8	1068
Spike.....	T. R. Timby.....	171, 448	Dec. 21, 1875	768	253	8	1068
Spike and nail extractor.....	J. Passeno.....	168, 281	Sept. 28, 1875	850	274	8	551
Spike-machine.....	W. Haddock.....	170, 255	Nov. 23, 1875	936	291	8	880
Spike-machine.....	D. H. McGookin.....	164, 319	June 8, 1875	454	150	7	1003
Spike-making machine, Split.....	A. Whittemore.....	170, 322	Nov. 23, 1875	994	311	8	888
Spike, Railway.....	J. M. Kent.....	163, 208	May 11, 1875	455	312	7	814
Spindle.....	See Loom-shuttle spindle. Millstone-spindle. Lubricating-spindle. Spinning-machine spindle. Mill-spindle. Split spindle.						
Spindle-bearings and their lubrication.....	J. M. Stone.....	160, 124	Feb. 23, 1875	854	282	7	322
Spindle-bolster.....	W. Jenckes.....	168, 644	Oct. 11, 1875	327	106	8	618
Spindle-steps in their supports, Securing.....	A. S. Hopkins.....	168, 022	Sept. 21, 1875	502	189	8	507
Spindles, Bearing-surface for.....	E. D. Murfey.....	166, 885	Aug. 17, 1875	681	211	8	312
Spindles, Preparation for bearing-surfaces for.....	E. D. Murfey.....	166, 886	Aug. 17, 1875	681	.....	8	312
Spinning-bobbin.....	J. Birkenhead.....	160, 383	Mar. 2, 1875	111	40	7	364
Spinning-frame.....	J. E. Atwood.....	169, 507	Nov. 2, 1875	165	55	8	757
Spinning-frame bobbin.....	T. B. Wattles.....	164, 662	June 1, 1875	195	70	7	957
Spinning-frame bolster.....	J. A. Matteson.....	159, 034	Jan. 26, 1875	682	224	7	139
Spinning-frame ring.....	J. W. Wattles.....	166, 909	Aug. 17, 1875	700	217	8	315
Spinning-frames, Building mechanism for.....	J. M. Stone.....	166, 316	Aug. 3, 1875	120	37	8	216
Spinning-frames, Traverso mechanism for ring.....	J. Scott.....	158, 330	Jan. 5, 1875	157	53	7	31
Spinning-jacks, Stopping mechanism for.....	P. H. Crocker.....	164, 429	June 15, 1875	577	187	7	1028
Spinning-machine.....	J. P. Hillard.....	169, 170	Oct. 26, 1875	834	271	8	706
Spinning-machine.....	N. Marshall.....	171, 298	Dec. 21, 1875	635	208	8	1050
Spinning-machine.....	C. Z. Mattison.....	162, 246	Apr. 20, 1875	608	198	7	608
Spinning-machine fliers.....	C. K. Pevey.....	165, 363	July 6, 1875	200	60	8	36
Spinning-machine regulator, Hcmp.....	C. Herschaft.....	164, 452	June 15, 1875	595	193	7	1030
Spinning-machine spindle.....	J. C. Arnold.....	170, 929	Dec. 14, 1875	261	87	8	993
Spinning-machine spindle.....	S. H. Le Moyne.....	161, 888	Apr. 13, 1875	275	92	7	619
Spinning-machine spindle.....	A. M. Wade.....	164, 059	June 1, 1875	193	70	7	957
Spinning-machine, &c., top-roll.....	E. Card.....	164, 716	June 22, 1875	839	273	7	1072

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Spinning-machine whirl	D. Wilson, jr., and T. Hall	167,965	Sept. 21, 1875	538	173	8	899
Spinning-machinery, Stop-motion for cotton	T. O'Donnell and E. K. Walker	167,193	Aug. 31, 1875	1607	313	7	474
Spinning-machinery, Wool	C. Martin	168,512	Oct. 5, 1875	175	56	8	589
Spinning mule or jack	M. A. Furush	168,979	Oct. 19, 1875	635	210	8	671
Spinning-ring	J. T. Lamb	164,309	June 8, 1875	446	147	7	1002
Spinning-ring	W. W. Stearns	164,492	June 15, 1875	623	203	7	1034
Spinning-ring and ring-rail	G. Richardson	163,887	June 1, 1875	43	15	7	936
Spinning-ring blank	S. Forchard and H. C. Wadsworth.	161,943	Apr. 13, 1875	323	109	7	636
Spinning-ring blanks, Die for forging	S. Forchard and H. C. Wadsworth.	161,334	Mar. 30, 1875	1034	336	7	522
Spinning-ring holder	G. Draper	170,826	Dec. 7, 1875	154	51	8	971
Spinning-ring holder	C. E. Trowbridge	163,550	May 18, 1875	792	250	7	873
Spinning-ring traveler	H. Halvorson	168,739	Oct. 11, 1875	409	133	8	630
Spinning-rings, Device for securing and adjusting	J. E. and E. A. Wood	168,956	Oct. 19, 1875	612	203	6	668
Spinning-rings, Holding and adjusting device for	F. J. Dutcher	164,536	June 15, 1875	663	215	5	1039
Spinning-rings to rails, Securing	J. Booth	164,256	June 8, 1875	394	134	7	995
Spinning-wheel	J. J. Kendall	170,630	Nov. 30, 1875	1298	410	8	998
Spiral springs, Machine for making	S. L. Bower	171,089	Dec. 14, 1875	408	135	8	1012
Spiral washers, Machine for forming	S. Trethewey	159,232	Jan. 26, 1875	859	260	7	164
Spirits, Apparatus for flavoring	M. Grube	160,093	Feb. 23, 1875	830	273	7	318
Spirits, Apparatus for manufacture of	P. Griffin	170,254	Nov. 23, 1875	935	291	8	860
Spittoon-mat	J. Lee	177,291	Dec. 21, 1875	631	206	8	1049
Sploit, Fracture	G. H. Brown and R. C. Davis	161,323	Mar. 30, 1875	1025	334	7	521
Sploit-making machine	E. E. White	162,730	Apr. 27, 1875	1089	345	7	437
Split keys, Machine for making	W. H. Fox	167,445	Sept. 7, 1875	59	18	8	714
Split spindles, Die for crimping the halves of	H. M. Johnson	163,661	Apr. 27, 1875	1008	323	7	727
Spoke-socket	J. B. Blatt	165,403	July 13, 1875	274	81	8	523
Spoke-socket	A. Clist	167,498	Sept. 7, 1875	101	32	8	421
Spoke-socket	H. A. Holt	170,732	Dec. 7, 1875	73	22	8	960
Spoke-socket	B. Poulson	165,365	July 6, 1875	201	61	8	363
Spoke-socket and felly-plate	H. T. Briggs	159,149	Jan. 26, 1875	781	256	7	156
Spoke-socket, Vehicle-wheel	M. Glassbrook	159,917	Feb. 16, 1875	652	216	7	287
Spoke-tapering machine	P. Coon	158,681	Jan. 12, 1875	308	105	7	67
Spoke-tenoning machine	H. R. Carmany	169,414	Nov. 2, 1875	87	27	8	746
Spoke-tenoning machine	J. R. Coleman, and S. Myers	164,718	June 22, 1875	840	273	7	1072
Spoke-tenoning machine	C. W. Latham	167,547	Sept. 7, 1875	148	45	8	427
Spoke-tenoning machine	W. M. Sharpsteen	160,722	Mar. 9, 1875	430	143	7	419
Spoke-tenoning machine	W. H. Von Behren	165,895	July 20, 1875	732	230	8	136
Sponge and pulp fabric	J. L. Kendall	167,259	Aug. 31, 1875	1063	331	8	382
Sponge-cup	B. Brower	158,620	Jan. 12, 1875	253	86	7	60
Sponge-holder	E. G. Conradson and A. Torsell	158,573	Jan. 12, 1875	211	72	7	54
Spool	N. I. Allen	163,959	June 1, 1875	100	34	7	945
Spool-exhibiting case	J. D. Catter	168,460	Oct. 5, 1875	124	43	7	583
Spool for braid, thread, &c., Elongated	F. Koch and R. Brass	159,333	Feb. 2, 1875	88	30	7	196
Spoon-holder	S. W. Babbitt and H. B. Beach	169,224	Oct. 26, 1875	880	286	8	712
Spool-holder	C. T. Cleveland	163,742	May 25, 1875	972	307	7	905
Spool-holder	J. T. Elliott	171,365	Dec. 21, 1875	693	228	8	1058
Spool-holder	E. J. Taylor	160,127	Feb. 23, 1875	256	283	7	322
Spool, Jack	H. M. Guy	163,483	May 18, 1875	726	231	7	896
Spool-machine	G. E. Lyman	158,644	Jan. 12, 1875	273	92, 93	7	62
Spooling and doubling machine	J. Wild and E. Hey	167,375	Aug. 31, 1875	1165	367	8	397
Spooling and winding machine guide	G. Richardson	167,272	Aug. 31, 1875	1072	334	8	323
Spooling-machine	S. D. Learned	160,016	July 27, 1875	880	271	8	166
Spooling-machine	T. A. Mathewson	160,058	Feb. 23, 1875	801	263	7	314
Spooling-machine	J. W. West	160,292	Mar. 2, 1875	32	12	7	353
Spooling-machine	J. W. West	161,647	Apr. 6, 1875	50	19	7	576
Spooling-machine-bobbin holder	T. A. Mathewson	158,382	Jan. 5, 1875	27	9	7	12
Spooling-machine-bobbin supporter	A. M. Wado	159,053	Jan. 26, 1875	697	229	7	142
Spouts, Making sheet-metal	M. S. Leidy	165,596	July 13, 1875	458	137	8	79
Spring:							
See Bed-bottom spring.	Seat-spring.						
Boot-shank spring.	Spiral spring.						
Burner-spring.	Torsion-spring.						
Car-spring.	Torsional spring.						
Carriage-spring.	Vehicle-spring.						
Chair-spring.	Vehicle side spring.						
Door-spring.	Wagon-spring.						
Furniture-spring.	Watch-spring.						
Piston-spring.	Watch-case spring.						
Rubber-spring.							
Spring.	E. H. Tyler	170,973	Dec. 14, 1875	307	102	8	999
Spring-chair	A. W. Coates	164,811	June 22, 1875	926	300	7	1083
Spring-motor	H. Bolton	163,447	May 18, 1875	688	220	7	861
Spring-motor	E. Shiver	171,438	Dec. 21, 1875	760	250	8	1067
Spring motor, Volute	W. S. Shoemaker	170,310	Nov. 23, 1875	982	307	8	887
Spring-power	V. Moeslein	167,009	Aug. 24, 1875	816	253	8	310
Spring-seat support	F. A. Hawley and A. Pearsall	158,707	Jan. 12, 1875	330	112	7	70
Spring-setting machine	A. J. Fisk	165,087	June 29, 1875	1187	382	7	1124
Spring-washers, Machine for making	J. W. Grover	169,260	Oct. 26, 1875	915	297	8	716
Sprinkler:							
See Cotton-sprinkler.	Railway-sprinkler.						
Fountain-sprinkler.	Rose-sprinkler.						
Garden-sprinkler.	Street-sprinkler.						
Sprinkling-pipe	F. Grinnell	160,355	Nov. 2, 1875	34	10	8	739
Sprinkling pipes, Method of drilling holes in water	F. Grinnell	169,353	Nov. 2, 1875	31	9	8	739
Square	W. H. Walker	167,482	Sept. 7, 1875	87	28	8	419
Square and bevel, Combined try	J. L. Larrison and H. Leigh	160,106	Feb. 23, 1875	839	276	7	320
Square, Slotted framing	J. H. McInnes	168,656	Oct. 11, 1875	337	109	8	620
Square, Stair-builder's adjustable	C. B. Kirkpatrick	164,008	June 1, 1875	140	50	7	950
Stage plank and carrier	W. S. Booth	170,335	Nov. 23, 1875	1005	315	8	890
Stage-scenery	G. P. Gordon	171,221	Dec. 21, 1875	567	186	8	1041

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Stage-scenery guide	C. Higbee	158, 840	Jan. 19, 1875	567	188	7	117
Staging bracket, Chimney	C. Willard	160, 736	Mar. 9, 1875	414	147	7	429
Stair-curves, Instrument for scribing	A. Beck	163, 626	May 25, 1875	875	276	7	809
Stair-pad	T. F. Walter	161, 305	Mar. 23, 1875	991	324	7	509
Stair-rail-joint fastening	W. H. Pritchett	167, 118	Aug. 24, 1875	916	286	8	354
Stair-rod	A. W. Porter	162, 416	Apr. 20, 1875	771	270	7	689
Stair-rod securer	T. W. Gardner	158, 930	Jan. 19, 1875	566	185	7	116
Stalk-cutter	A. Y. Eckman	161, 873	Apr. 13, 1875	262	87, 88	7	618
Stalk-cutter	C. H. Gaylord and E. M. Ayers	166, 200	Aug. 3, 1875	17	6	8	201
Stalk-cutter, plow, and seeding-machine, Combined	S. Cixson	158, 408	Jan. 5, 1875	49	17, 18	7	16
Stall, Cattle	I. R. Marsh and L. Bell	167, 551	Sept. 7, 1875	150	16, 47	8	427
Stamp-attaching and letter-sealing machine	E. T. Thomas	165, 520	July 13, 1875	885	114	8	69
Stamp-canceler	D. M. Cooper	165, 308	July 6, 1875	149	45	8	29
Stamp-canceler	M. Lewis	164, 687	June 22, 1875	609	{ 264 265	7	1068
Stamp, check, &c., Revenue	G. W. Casilear and W. C. McIntire	167, 987	Sept. 21, 1875	555	179	8	501
Stamp composition, Elastic	J. Scott	167, 856	Sept. 21, 1875	455	.....	8	486
Stamp for cigar-boxes, Revenue	F. C. Hamilton	168, 014	Sept. 21, 1875	583	187	8	506
Stamp, Hand	E. D. Chamberlain	163, 300	May 18, 1875	590	179	7	844
Stamp, Hand	J. F. W. Dorman	164, 273	June 8, 1875	411	138	7	997
Stamp, Hand	B. B. Hill	163, 197	May 11, 1875	447	145	7	813
Stamp, Hand	S. F. Robinson	167, 621	Sept. 14, 1875	226	71	8	445
Stamp, Hand	J. Sigwalt, jr.	161, 450	Mar. 30, 1875	1143	369	7	536
Stamp holder, Postage	P. W. Hall	161, 925	Mar. 23, 1875	912	298	7	499
Stamp holder, Postage	P. W. Hall	161, 833	June 22, 1875	944	305	7	1065
Stamp inking apparatus, Hand	D. A. Edsall	163, 585	May 25, 1875	838	264	7	887
Stamp, Marking	L. Balling r	171, 257	Dec. 21, 1875	600	196	8	1045
Stamp-mill feeler	J. Walker	167, 042	Aug. 24, 1875	898	262	8	343
Stamp, Ore	W. C. Ferguson and J. S. Jones	168, 245	Sept. 28, 1875	827	264	8	546
Stamp, Postage	C. E. Steel	159, 125	Oct. 26, 1875	796	258	8	700
Stamp-stems, Tappet-clamp for	N. J. Coleman	170, 236	Nov. 23, 1875	918	286	8	878
Stamp, Ticket	L. J. Blades	165, 702	July 20, 1875	866	173	8	111
Stamps, Device for securing and canceling revenue	F. C. Hamilton	168, 013	Sept. 21, 1875	582	187	8	506
Stamps, Perforating	W. G. Brown	169, 143	Oct. 26, 1875	810	263	8	702
Stamping-mill	H. W. Colver	159, 303	Feb. 2, 1875	53	20	7	192
Stamping-mills, Shoe and die for	W. Hainsworth	158, 762	Jan. 12, 1875	326	111	7	70
Stand:							
See Baking-stand.	Pic-plate stand.						
Bracket-stand.	Portfolio-stand.						
Camera-stand.	Railway-switch stand.						
Dish-stand.	Range-boiler stand.						
Dry-goods stand.	Scale and balance stand.						
Egg-stand.	Stereoscope and grapho-						
Flower-stand.	scope stand.						
Flower and fruit stand.	Towel-stand.						
Globe-stand.	Umbrella-stand.						
Lamp-stand.	Wash-stand.						
Music-stand.	Water-cooler stand.						
Pegging-stand.	Wiro stand.						
Photographic-head-rest stand.							
Standard and spring combined	G. H. Spencer	161, 173	Mar. 23, 1875	862	282	7	492
Staple-blanks, Manufacture of	J. W. Shannon	159, 044	Jan. 26, 1875	689	227	7	141
Staple-pointing machine	J. A. dt	162, 991	May 11, 1875	257	83	7	789
Starch-lubricant	M. E. Robinson	163, 809	May 25, 1875	1627	.....	7	913
Starching-machine	L. Sternberger	169, 054	Oct. 19, 1875	706	233	8	680
Station-indicator	L. V. Adams	166, 445	Aug. 10, 1875	269	81	8	245
Station-indicator	C. A. Blomquist	163, 844	June 1, 1875	8	3	7	932
Station-indicator	J. W. Bryan	158, 900	Jan. 19, 1875	530	177	7	112
Station-indicator	S. M. Dewey	166, 516	Aug. 10, 1875	323	98	8	252
Station-indicator	C. A. Evans	170, 539	Nov. 30, 1875	1206	380	8	926
Station-indicator	P. H. Harris	168, 639	Oct. 11, 1875	322	105	8	618
Station-indicator	F. G. Johnson	158, 798	Jan. 19, 1875	432	144	7	100
Station-indicator	S. P. Littlefield	163, 926	June 1, 1875	81	284	7	942
Station-indicator	J. P. Rhoads	171, 531	Dec. 29, 1875	866	95	8	1089
Station-indicator	A. M. Smith	163, 031	May 11, 1875	295	281	7	793
Station-indicator	J. D. Smith	161, 171	Mar. 23, 1875	861	236	7	492
Station-indicator, Electrical	J. F. Kettell	171, 387	Dec. 21, 1875	713	28	8	1061
Stave-crozing machine	A. B. Kingsbury	159, 551	Feb. 9, 1875	308	100	7	231
Stave-dressing machine	G. A. Shideler	163, 336	May 18, 1875	595	190	7	848
Stave-jointing machine	B. Barker	168, 125	Sept. 28, 1875	720	227	8	531
Stave-jointing machine	E. J. Granger	669, 655	Nov. 9, 1875	315	{ 160 101	8	784
Stave-jointing machine	E. and B. Holmes	166, 872	Aug. 17, 1875	664	207	8	310
Stave-jointing machine	W. J. Seymour	161, 162	Mar. 23, 1875	855	279	7	491
Stave-sawing machine	W. Barber	163, 350	May 18, 1875	608	194	7	850
Staves, Crozing	J. Pennie, jr	168, 410	Oct. 5, 1875	83	28	8	576
Steak-tenderer	T. Billington	168, 602	Oct. 11, 1875	286	93	8	612
Steam and air brake	W. L. Burt and G. H. Little	161, 927	Apr. 13, 1875	310	{ 103 131	7	624
Steam and air brake	W. M. Henderson	159, 512	Feb. 9, 1875	277	89	7	230
Steam and air brake	J. R. Reniff	160, 955	Mar. 16, 1875	657	214	7	456
Steam and gas pipe hanger	G. W. Blako	168, 217	Sept. 28, 1875	803	255	8	543
Steam-boiler	R. Dempster	170, 348	Nov. 23, 1875	1016	318	8	892
Steam boiler	C. E. Emery	165, 990	July 27, 1875	856	{ 263 264	8	162
Steam-boiler	T. W. Godwin	169, 434	Nov. 2, 1875	104	32, 33	8	749
Steam-boiler	F. Hungerford	161, 964	Apr. 13, 1875	340	114	7	628
Steam-boiler	E. D. Deavitt, jr.	165, 006	June 29, 1875	1118	361	7	1115
Steam-boiler	J. Shackleton	171, 436	Dec. 21, 1875	759	250	8	1066
Steam-boiler	J. H. Wilkinson	167, 595	Sept. 7, 1875	192	60	8	433
Steam-boiler, Circulating	L. Knight	163, 682	May 11, 1875	339	110	7	799
Steam-boiler crown-bar	J. McPhail	167, 004	Aug. 24, 1875	809	251	8	339
Steam boiler feeding apparatus	N. Yagu	165, 435	July 13, 1875	304	90	8	57



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Steam-boiler fire-tube	H. Bailey	166, 180	Aug. 3, 1875	1	1	8	199
Steam-boiler fire tubes and flues, Bushing for	H. Duesh	167, 157	Aug. 31, 1875	978	304	8	370
Steam-boiler, Flue and tubular	J. Barton	167, 054	Aug. 24, 1875	852	265 266	8	345
Steam-boiler indicator	A. Moon	168, 913	Oct. 19, 1875	578	190	8	662
Steam-boiler-man-hole cover	H. Collinson	161, 934	Apr. 13, 1875	317	106	8	625
Steam-boiler, Reversible	S. S. Vail	170, 032	Nov. 16, 1875	701	221	8	842
Steam-boiler, Rotary	C. W. Pierce	166, 807	Aug. 17, 1875	606	187	8	302
Steam-boiler, Sectional	U. D. Anderson	169, 758	Nov. 9, 1875	445	140 141	8	800
Steam-boiler, Sectional	A. Kipp, jr	164, 377	June 15, 1875	523	172	7	1021
Steam-boiler, Sectional	C. L. Sanborn and H. M. Shaw	161, 161	Mar. 23, 1875	854	279	7	491
Steam-boiler, Sectional	J. F. Taylor	158, 754	Jan. 12, 1875	307	125	7	76
Steam-boiler, Sectional	H. Whittingham	161, 582	Mar. 30, 1875	1274	409	8	553
Steam-boiler, Superheater	T. Vernon	170, 316	Nov. 23, 1875	987	309	8	888
Steam-boiler water-feeder	P. N. J. Macabies	171, 149	Dec. 14, 1875	472	154	8	1020
Steam-boiler water regulator and indicator	D. Cook	169, 676	Nov. 9, 1875	353	112	8	789
Steam-boilers and pipes, Covering for	J. C. Reed	171, 425	Dec. 21, 1875	748	246	8	1065
Steam-boilers, Composition for covering	T. Webber and C. Stedman	168, 308	Sept. 28, 1875	881	88	8	554
Steam-boilers, Compound for preventing scales in	J. H. Pitts	160, 030	Feb. 23, 1875	776	7	7	310
Steam-boilers, Compound for removing incrustation in	G. A. Moore and W. McCloud	162, 491	Apr. 27, 1875	864	7	7	709
Steam-boilers, Crown-sheet for	S. B. Ganon	164, 540	June 15, 1875	667	216	7	1040
Steam-boilers, Fire-box attachment to	J. Lee	158, 425	Jan. 5, 1875	63	22	7	18
Steam-boilers, Sediment-collector for	J. Popper	168, 779	Oct. 11, 1875	442	144	8	635
Steam-brake	T. F. Fouts and E. Planck	161, 677	Apr. 6, 1875	77	27	7	580
Steam-brake	J. T. Prendergast	161, 271	Mar. 23, 1875	961	313	7	505
Steam-brake	T. Wilson	164, 066	June 1, 1875	198	72	7	958
Steam-brake cylinder, Locomotive	J. N. Lauder	166, 994	Aug. 24, 1875	801	248	8	338
Steam-brake, Locomotive	L. B. Salisbury	166, 895	Aug. 17, 1875	690	213	8	313
Steam-engine	H. P. Case	164, 804	June 22, 1875	917	297	7	1082
Steam-engine	H. Davey	167, 509	Sept. 7, 1875	112	35	8	422
Steam-engine	J. S. Foster	171, 275	Dec. 21, 1875	617	202	8	1947
Steam-engine	S. B. Frank	169, 249	Oct. 26, 1875	903	293	8	715
Steam-engine	E. D. Leavitt, jr	166, 706	Aug. 17, 1875	513	157	8	288
Steam-engine	J. M. Marty	162, 485	Apr. 27, 1875	858	276	7	708
Steam-engine	J. W. Middleton	160, 218	Feb. 23, 1875	937	307	7	333
Steam-engine	E. V. Oefele	168, 102	Sept. 28, 1875	697	220	8	528
Steam-engine	W. Read	165, 869	July 20, 1875	729	222	8	133
Steam-engine	J. B. Root	171, 174	Dec. 14, 1875	493	163	8	1023
Steam-engine	G. B. Stevenson	168, 803	Oct. 11, 1875	462	151	8	638
Steam-engine	D. K. West	165, 139	June 29, 1875	1235	397	7	1131
Steam-engine	W. C. Wilcox	159, 733	Feb. 9, 1875	464	154 155	7	257
Steam-engine and driving appliance	S. E. Stokes, jr	171, 187	Dec. 14, 1875	502	166	8	1024
Steam-engine bed-plate	J. D. Richardson	158, 920	Jan. 19, 1875	604	200 201	7	122
Steam-engine cylinder	J. E. Taylor	162, 120	Apr. 13, 1875	477	157	7	645
Steam-engine cylinders, Port for	W. C. Church	166, 849	Aug. 17, 1875	643	200 201	8	308
Steam-engine, Disk	G. R. Winkler	167, 146	Aug. 24, 1875	941	294	8	358
Steam-engine frame	W. S. Finney	170, 218	Nov. 23, 1875	929	280	8	870
Steam-engine frame, Portable	J. W. Hill	160, 189	Feb. 23, 1875	909	299	7	329
Steam-engine indicator	J. W. Thompson	167, 364	Aug. 31, 1875	1153	363	8	305
Steam-engine lubricator	J. Farman	162, 160	Apr. 20, 1875	529	174	7	659
Steam-engine lubricator	J. Powell	159, 962	Feb. 16, 1875	692	230	7	292
Steam-engine lubricator	M. L. Waring	165, 770	July 20, 1875	625	192	8	119
Steam-engine lubricator	J. Wheelock	165, 901	July 20, 1875	757	232	8	137
Steam-engine, Portable	F. F. Landis	161, 970	Apr. 13, 1875	344	116	7	628
Steam-engine, Portable	L. Sweet	163, 823	May 25, 1875	1038	329	7	914
Steam-engine pyrometer	G. B. Dixwell	160, 400	Mar. 2, 1875	126	46	7	367
Steam-engine pyrometrical indicator	G. B. Dixwell	160, 401	Mar. 2, 1875	128	46	7	367
Steam-engine, Rock-drill	J. Brandon	163, 631	May 25, 1875	880	277	7	893
Steam-engine stop-motion	T. Evans	167, 231	Aug. 31, 1875	1039	323	8	378
Steam-engines, Automatic regulating device for	A. De Beaumont	161, 764	Apr. 6, 1875	150	52	7	590
Steam-engines, pumps, &c. Piston for	F. Felbinger and J. G. Koch	161, 400	Mar. 30, 1875	1101	356	7	531
Steam-engines, Reversing-link for	J. G. Simpson	160, 358	Mar. 2, 1875	90	33	7	361
Steam, gas, or water pipes, Connecting	C. C. Walworth	166, 735	Aug. 17, 1875	544	167	8	293
Steam-generator	H. C. Bull	159, 069	Jan. 26, 1875	709	233 234	7	144
Steam-generator	J. and G. Firnenich	165, 222	July 6, 1875	75	22	8	19
Steam-generator	J. Goulding	166, 768	Aug. 17, 1875	571	175	8	297
Steam-generator	W. E. Haxtun	159, 178	Jan. 26, 1875	808	265	7	157
Steam-generator	S. R. Mathewson	161, 423	Mar. 30, 1875	1121	362	7	533
Steam-generator	G. T. McLautblin	166, 398	Aug. 3, 1875	199	59, 60	8	227
Steam-generator	J. A. Miller	161, 258	Mar. 23, 1875	949	309	7	503
Steam-generator	D. Renshaw	162, 497	Apr. 27, 1875	870	278	7	710
Steam-generator	D. Renshaw	168, 923	Oct. 19, 1875	587	194	8	664
Steam-generator	H. M. Smith	170, 196	Nov. 23, 1875	882	276	8	873
Steam-generator	R. H. Thom	167, 711	Sept. 14, 1875	303	96	8	456
Steam-generator for cooking, &c.	W. Cooper	160, 165	Feb. 23, 1875	890	293	7	327
Steam generator for cooking, &c.	T. T. Pearson	158, 516	Jan. 5, 1875	146	49	7	29
Steam-generator furnace	H. M. Smith	161, 361	Mar. 30, 1875	1059	345	7	525
Steam-generator joint	H. Whittingham	159, 992	Feb. 16, 1875	722	240	7	296
Steam-generator, Sectional	E. M. Butz and G. M. Jones	164, 072	June 8, 1875	228	80	7	973
Steam-generator, Sectional	G. H. Starbuck	163, 820	May 25, 1875	1035	328	7	914
Steam-generator, Sectional	G. W. Walker and M. Pratt	168, 198	Sept. 28, 1875	787	250	8	511
Steam-generators, Circulation in	R. Mill	164, 580	June 15, 1875	701	228	7	1045
Steam-generators, Fusible plug for	J. F. Mahoney	161, 422	Mar. 30, 1875	1119	362	7	533
Steam-heater	J. F. McKenney	167, 186	Aug. 31, 1875	1001	311	8	373
Steam-heater	A. Van Horn	158, 546	Jan. 5, 1875	169	58	7	32
Steam or water pressure regulator	J. E. Watts	161, 917	Apr. 13, 1875	301	101	7	423
Steam-pipe trap	C. A. Read	171, 424	Dec. 21, 1875	747	246	8	1065
Steam-pipes to buildings, Application of	C. C. Walworth	164, 700	June 22, 1875	824	269	7	1070
Steam-trap	G. M. Hopkius	162, 168	Apr. 20, 1875	537	176	7	660
Steam-trap	J. M. Meburg	162, 567	Apr. 27, 1875	926	297	7	717

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Steam-washer	M. Howe	169, 104	Oct. 26, 1875	776	232	8	697
Steamer and boiler	C. Busch	163, 735	May 25, 1875	966	305	7	904
Steamer, Cooking	M. Piter	169, 373	Nov. 2, 1875	52	16	8	742
Steamer, Culinary	H. M. Welch	164, 063	June 1, 1875	196	71	7	957
Steamer, Vegetable	P. D. Damon	169, 779	Nov. 9, 1875	463	146	8	803
Steaming-table	A. J. Randall	167, 689	Sept. 14, 1875	284	90	8	453
Steel, Converting cast-iron articles into	S. G. Flagg	162, 017	Apr. 13, 1875	408	.....	7	637
Steel, Manufacture of	J. Eynem	161, 398	Mar. 30, 1875	1099	.....	7	531
Steel, Manufacture of	F. J. Slato	171, 183	Dec. 14, 1875	499	.....	8	1024
Steel, Manufacture of chrome	J. Baur	170, 507	Nov. 30, 1875	1177	.....	8	922
Steel, Process of manufacturing	F. Berchold	170, 150	Nov. 23, 1875	842	.....	8	867
Steel, Reworking	J. N. Lanth	160, 209	Feb. 23, 1875	927	.....	7	332
Steel, Tempering and forming articles of	G. F. Simonds	169, 736	Nov. 9, 1875	414	132	8	797
Steering apparatus	P. H. Jackson	159, 826	Feb. 16, 1875	567	188 189	7	275
Steering apparatus	M. Townsend	171, 449	Dec. 21, 1875	768	253	8	1068
Steering apparatus	P. R. Voorhees	162, 720	Apr. 27, 1875	1074	342	7	735
Steering apparatus, Pneumatic	G. W. Baird and J. C. Lewis	169, 612	Nov. 9, 1875	280	93	8	781
Steering gear, Vessel	D. Scattergood	163, 890	June 1, 1875	46	15	7	937
Steering-propeller	I. T. Payne	171, 313	Dec. 21, 1875	648	212	8	1051
Stench-trap	J. D. Pierce	166, 551	Aug. 10, 1875	355	109	8	257
Stench-trap	J. P. Schmitz	158, 528	Jan. 5, 1875	156	53	7	31
Stench-trap	R. L. Walker	160, 800	Mar. 16, 1875	528	171	7	438
Stench-trap, Dry	H. L. Boschen	169, 232	Oct. 26, 1875	887	288	8	713
Stench-traps, Drain-screw attachment for	W. A. Butler	163, 737	May 25, 1875	968	316	7	904
Stencil-cutter	P. L. O'Brien	160, 613	Mar. 9, 1875	331	112	7	405
Stencil-plate	W. M. Kellie	168, 400	Oct. 5, 1875	73	26	8	575
Stencil-plate	G. E. Warren	159, 725	Feb. 9, 1875	455	152	7	256
Stereoscope	H. J. Lewis	165, 241	July 6, 1875	91	27	8	21
Stereoscope	W. H. Lewis	168, 652	Oct. 11, 1875	332	108	8	619
Stereoscope	W. H. Lewis	170, 749	Dec. 7, 1875	88	28	8	962
Stereoscope	P. Murphy	161, 054	Mar. 23, 1875	751	247	7	478
Stereoscope	H. Rigby	161, 278	Mar. 23, 1875	967	316	7	505
Stereoscope	L. D. Sibley	166, 942	Aug. 24, 1875	746	231	8	330
Stereoscope	J. F. Steward	171, 061	Dec. 14, 1875	385	127	8	1009
Stereoscope	M. A. E. Whitner	158, 555	Jan. 5, 1875	177	61	7	33
Stereoscope and graphoscope, Stand	J. Cremer	163, 000	May 11, 1875	263	85	7	790
Stereoscope, Revolving	J. F. Steward	163, 613	May 25, 1875	864	272	7	890
Stereoscopic-picture holder	J. D. Rice	165, 870	July 20, 1875	729	222	8	133
Stereoscopic-print cutter	T. W. Smillie and A. Siebert	162, 960	May 4, 1875	212	68	7	775
Stereotype-block	J. L. Firm	168, 977	Oct. 19, 1875	633	209	8	670
Stereotype-block	A. N. Kellogg	163, 873	June 1, 1875	33	10	7	935
Stereotype-blocks, Registering device for	A. J. O'Shea	161, 542	Mar. 30, 1875	1236	398	7	548
Stereotype-matrices, Stretcher for	T. J. Mayall and R. W. Harnett	159, 696	Feb. 9, 1875	429	143	7	252
Stereotype-plate	A. N. Kellogg	163, 874	June 1, 1875	34	10	7	935
Stereotype-plate holder	A. N. Kellogg	163, 872	June 1, 1875	32	10	7	935
Stereotype-plate holder	A. N. Kellogg and S. J. Schock	166, 702	Aug. 17, 1875	508	156	8	287
Stereotype-plates, Machine for shaving the backs of curved.	T. J. Mayall and R. W. Harnett	159, 946	Feb. 16, 1875	677	225	7	290
Still	H. Deymann and E. Mecher	169, 970	Nov. 16, 1875	648	203	8	834
Still	E. D. Loveridge	167, 346	Aug. 31, 1875	1137	358	8	392
Still for the manufacture of alcoholic spirits	J. H. and J. B. Beam	165, 201	July 6, 1875	58	17	8	17
Still, Oil	J. C. Dickey	166, 349	Aug. 3, 1875	148	46	8	220
Still, Petroleum	J. L. Stewart	162, 965	May 4, 1875	215	69	7	775
Stilts	F. Beaumont, jr.	168, 213	Sept. 28, 1875	799	254	8	542
Stirrup	J. B. Waggoner	163, 120	May 11, 1875	373	121	7	803
Stirrup, Riding-saddle	J. C. Wagstaff	169, 209	Oct. 26, 1875	862	281	8	710
Stitch-imitation and stitch-dividing mechanism	C. S. Dumbreck	158, 632	Jan. 12, 1875	262	89	7	61
Stitch-ripper	G. St. George, jr.	164, 336	June 8, 1875	469	155	7	1005
Stoek, Machine for counting	W. F. Jeans and D. H. Bailey	167, 254	Aug. 31, 1875	1059	329 330	8	381
Stocking and skirt holder	A. Warren	159, 291	Feb. 2, 1875	44	16	7	191
Stocking-heels, Machine for re-inforcing	A. C. Carey	162, 028	Apr. 13, 1875	388	130	7	634
Stocking or skirt supporter clasp	G. J. Capewell	159, 154	Jan. 26, 1875	785	257	7	154
Stocking-supporter clasp	E. L. Howard	163, 778	May 25, 1875	1000	317	7	909
Stockings, Revolving rack for holding	D. K. Wertman	160, 373	Mar. 2, 1875	102	37	7	363
Stone and marble dressing machine	O. Abell	165, 324	July 13, 1875	388	115	8	69
Stone, Artificial	P. B. Doty	168, 559	Oct. 11, 1875	241	.....	8	606
Stone, Artificial	H. Lemon, J. A. Cameron, and H. Hainor	163, 366	May 18, 1875	639	.....	7	854
Stone, Artificial	J. C. Tucker	170, 132	Nov. 16, 1875	798	.....	8	854
Stone channelling and sawing machine	N. F. English and C. M. Willard	160, 888	Mar. 16, 1875	597	194	7	448
Stone composition, Artificial	W. H. Whittemore	169, 218	Oct. 26, 1875	876	.....	8	712
Stone, Compound for artificial	T. E. Daniels	166, 265	Aug. 3, 1875	74	.....	8	200
Stone, Compound for artificial	H. Lemon and J. C. Metcalfe, jr.	168, 651	Oct. 11, 1875	332	.....	8	610
Stone-crusher	J. Comley	166, 504	Aug. 10, 1875	318	96	8	252
Stone-crushing apparatus	S. H. Johnson	160, 682	Mar. 9, 1875	389	132	8	314
Stone-crushing machine	C. H. Scheermesser	166, 897	Aug. 17, 1875	692	214	8	314
Stone-cutter's gage	E. R. Hatchelder	163, 910	June 1, 1875	60	20	7	939
Stone-cutting chisel	C. C. Simpson	165, 692	July 20, 1875	557	170	8	109
Stone-cutting machine	L. Dutertre	158, 691	Jan. 12, 1875	316	107	7	61
Stone-dressing hammer	W. W. Castle	158, 457	Jan. 5, 1875	104	35	7	21
Stone-dressing machine	J. J. Squire	161, 835	Apr. 6, 1875	216	73, 73	7	600
Stone-dressing machine	W. H. Thompson	167, 365	Aug. 31, 1875	1155	363	8	395
Stone-dressing wheel	P. B. Laird	158, 031	Jan. 26, 1875	680	237	7	139
Stone-extracting tool	N. R. Cheadle	163, 636	May 25, 1875	884	279	7	893
Stone-gathering machine	M. Miller	171, 579	Dec. 28, 1875	910	298	8	1096
Stone impervious to moisture, Process of rendering artificial.	W. McMurtie and B. Chambers, jr.	163, 676	May 52, 1875	912	.....	7	897
Stone, Machine for manufacturing blocks of artificial	T. Cook	161, 866	Apr. 13, 1875	252	84	7	616
Stone, Manufacture of artificial.	L. W. Osborn, E. D. Merriam, and P. B. Doty	164, 758	June 22, 1875	873	.....	7	1076
Stone-polishing machine	P. H. Walsh	167, 591	Sept. 7, 1875	188	58, 59	8	432
Stone-saw	S. G. Morrison	168, 879	June 1, 1875	38	12	7	935

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Stone-sawing machine.....	S. Thompson.....	167, 806	Sept. 14, 1875	335	127	8	469
Stone-turning lathe.....	S. L. and E. A. Beebe.....	171, 259	Dec. 21, 1875	603	157	8	1045
Stones, stumps, roots, &c., Machine for digging.....	C. M. Luffkin.....	161, 047	Mar. 23, 1875	714	245	7	477
Stoneware jars, Protector for.....	D. S. Cheselro.....	163, 459	Apr. 27, 1875	834	269	7	705
Stool.....	R. W. Myers.....	166, 402	Aug. 3, 1875	204	61	8	527
Stool.....	G. C. Winchester.....	165, 434	July 13, 1875	304	89	8	57
Stool and cane, Combined camp.....	F. A. Bryan.....	159, 898	Feb. 16, 1875	637	211	7	284
Stool and seat.....	H. Beagle.....	161, 196	Mar. 23, 1875	880	289	7	495
Stool, Camp.....	N. R. Allen.....	163, 623	May 25, 1875	873	275	7	892
Stool, Camp.....	A. W. Hart.....	159, 757	Feb. 16, 1875	504	169	7	267
Stool, &c., Folding.....	U. H. W. Scheuack.....	161, 063	Mar. 23, 1875	757	249	7	479
Stool, Folding camp.....	E. Ducker.....	159, 654	Feb. 9, 1875	389	130	7	246
Stool, Piano.....	C. A. A. Decring and J. Leek.....	161, 394	Mar. 30, 1875	1093	355	7	530
Stool, Piano.....	T. Miller.....	162, 569	Apr. 27, 1875	928	298	7	717
Stool, Piano.....	S. S. Schindler.....	162, 105	Apr. 13, 1875	457	152	7	643
Stool, Piano.....	E. L. Leavey.....	168, 110	Sept. 28, 1875	704	222	8	529
Stool, Rotary.....	A. Rico.....	164, 483	June 15, 1875	620	201	7	1033
Stool, Store.....	A. L. Bobo.....	158, 355	Jan. 5, 1875	5	2	7	9
Stool-support.....	C. J. Woodward.....	159, 243	Jan. 26, 1875	868	283	7	166
Stoops, Winter-rail for.....	R. Lo Forte.....	159, 830	Feb. 16, 1875	570	190	7	275
Stopper:							
<i>See</i> Bottle-stopper.....	Hose-leak stopper.....						
Cable-stopper.....	Ladle-stopper.....						
Flue-stopper.....							
Stepping mechanism for railway heads.....	R. W. Hunton.....	163, 593	May 25, 1875	845	267	7	888
Stepping mechanisms, Drop-wire for.....	L. Dimock.....	159, 396	Feb. 2, 1875	138	47	7	204
Store-counter.....	W. Volkland.....	166, 043	July 27, 1875	904	279	8	169
Stove.....	R. S. Bostwick.....	165, 868	Oct. 19, 1875	532	174	8	656
Stove.....	W. Burrows.....	165, 208	July 6, 1875	65	19	8	17
Stove.....	B. Claffin.....	168, 452	Oct. 5, 1875	117	40	8	552
Stove.....	L. R. Comstock.....	159, 797	Feb. 16, 1875	544	181	7	272
Stove.....	W. Doyle.....	160, 755	Mar. 16, 1875	480	157	7	432
Stove.....	J. Duffy.....	168, 002	Sept. 21, 1875	570	184	8	504
Stove.....	J. W. Elliott.....	166, 921	Aug. 24, 1875	727	225	8	328
Stove.....	E. W. Gram and J. Nelson.....	159, 919	Feb. 16, 1875	653	216	7	257
Stove.....	G. W. Herrick.....	163, 775	May 25, 1875	996	316	7	908
Stove.....	C. Hyde.....	164, 303	June 8, 1875	440	146	7	1001
Stove.....	S. H. La Rue.....	170, 746	Dec. 7, 1875	84	27	8	962
Stove.....	G. C. Millgate.....	159, 435	Feb. 2, 1875	175	59, 60	7	209
Stove.....	J. A. Meere.....	167, 852	Sept. 21, 1875	451	143	8	456
Stove.....	J. L. Roberts.....	165, 508	July 13, 1875	376	111	8	67
Stove.....	I. A. Sheppard.....	169, 050	Oct. 19, 1875	703	232	8	679
Stove.....	J. Spear.....	163, 419	May 18, 1875	665	213	7	857
Stove.....	J. Spear.....	164, 046	June 1, 1875	179	64	7	955
Stove.....	H. E. Spurrier.....	169, 205	Oct. 26, 1875	859	280	8	709
Stove.....	D. L. Stiles.....	159, 465	Feb. 2, 1875	211	69	7	214
Stove.....	C. Warner.....	169, 390	Nov. 2, 1875	66	20	8	743
Stove.....	H. J. Wintherlich.....	164, 789	June 23, 1875	900	293	7	1680
Stove.....	S. Wood.....	171, 640	Dec. 28, 1875	984	318	8	1105
Stove air-chamber.....	E. Hawks.....	160, 519	Mar. 9, 1875	251	86	7	393
Stove and furnace.....	O. Klotz.....	169, 273	Oct. 26, 1875	925	300	8	718
Stove and furnace.....	E. Smith.....	169, 052	Oct. 19, 1875	704	233	8	680
Stove and heat-radiator, Combined.....	N. H. Leuharr.....	165, 597	July 13, 1875	455	138	8	80
Stove and range, Cooking.....	W. B. Treadwell.....	161, 180	Mar. 23, 1875	669	{ 284 285 249 250 }	7	493
Stove and steam-heater, Cooking.....	T. Penton.....	162, 413	Apr. 29, 1875	769	{ 249 250 }	7	659
Stove attachment.....	H. S. Cook.....	164, 269	June 8, 1875	409	137	7	906
Stove attachment, Cook.....	E. B. Patten.....	159, 350	Feb. 2, 1875	100	35	7	198
Stove attachment, Cook.....	E. B. Patten.....	159, 351	Feb. 2, 1875	101	35	7	198
Stove attachment, Cooking.....	F. Enos.....	163, 858	June 1, 1875	21	7	7	933
Stove, Barrel.....	J. F. Scholes.....	160, 961	Mar. 16, 1875	662	216	7	457
Stove, Base-burning.....	L. F. Betts.....	168, 962	Oct. 19, 1875	618	205	8	668
Stove, Base-burning.....	M. C. Hawley and W. Leunox.....	164, 555	June 15, 1875	620	221	7	1041
Stove, Base-burning.....	S. H. La Rue.....	158, 847	Jan. 19, 1875	477	160	7	106
Stove-bracket, Wire.....	J. H. Randall and D. F. Newton.....	169, 118	Oct. 26, 1875	791	256	8	699
Stove, Camp.....	H. L. Duncklee.....	164, 725	June 23, 1875	846	275	7	1072
Stove, Coal.....	L. B. Sprout.....	165, 694	July 20, 1875	559	171	8	109
Stove, Coal-oil.....	J. L. Sharp.....	164, 775	June 23, 1875	885	289	7	1078
Stove, Cooking.....	J. S. Adams.....	170, 696	Dec. 7, 1875	40	12	8	956
Stove, Cooking.....	E. H. Bates.....	162, 883	May 4, 1875	132	44	7	764
Stove, Cooking.....	E. O. Brinckerhoff.....	159, 788	Feb. 16, 1875	532	{ 177 178 }	7	271
Stove, Cooking.....	G. Comstock.....	168, 084	Sept. 28, 1875	679	215	8	526
Stove, Cooking.....	J. B. Crowley and A. E. Chamberlain.....	166, 594	Aug. 10, 1875	392	121	8	263
Stove, Cooking.....	F. H. Hamilton.....	170, 849	Dec. 7, 1875	173	59	8	971
Stove, Cooking.....	M. D. Seward.....	159, 225	Jan. 26, 1875	852	278	7	163
Stove, Cooking.....	J. D. Smedley.....	161, 908	Apr. 13, 1875	291	98	7	622
Stove, Cooking.....	R. Thomas.....	160, 798	Mar. 16, 1875	525	169	7	433
Stove, Cooking.....	R. Thomas.....	170, 266	Nov. 23, 1875	891	278	8	871
Stove, Cooking.....	I. Van Bunschoten.....	171, 070	Dec. 14, 1875	392	130	8	1010
Stove, Cooking.....	J. S. Van Buren.....	160, 557	Mar. 9, 1875	283	96	7	398
Stove, Cooking.....	J. H. Wentworth.....	159, 727	Feb. 9, 1875	456	152	7	256
Stove-cover lifter.....	J. Edgar and A. Bardell.....	166, 084	July 27, 1875	945	291	8	175
Stove cross-piece, Cooking.....	W. Stout.....	162, 113	Apr. 13, 1875	469	155	7	644
Stove-door handle.....	A. S. Shultz.....	162, 958	May 4, 1875	210	67	7	774
Stove-door hinge.....	W. T. Howard.....	162, 925	May 4, 1875	169	56	7	769
Stove-door knob.....	M. W. Gardner.....	168, 734	Oct. 11, 1875	403	131	8	629
Stove-door knob.....	P. E. Wasburne.....	168, 858	Oct. 19, 1875	523	171	8	654
Stove-door, Self-closing.....	N. A. Boynton.....	165, 297	July 6, 1875	139	42	8	28
Stove-door turn-button.....	W. Morand.....	167, 853	Sept. 21, 1875	452	143	8	486
Stove fire-back.....	G. W. Herrick.....	160, 906	Mar. 16, 1875	611	199	7	450
Stove, Fire-place.....	H. P. Ohm.....	163, 235	May 11, 1875	479	{ 155 156 }	7	817

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Stove fire-pot.	J. Spear	163, 418	May 18, 1875	664	212	7	857
Stove, Gas	J. Q. Birkey	167, 058	Aug. 24, 1875	860	267	8	346
Stove, Gas	C. Burnham and J. G. Taite	162, 150	Apr. 20, 1875	519	171	7	658
Stove, Gas	H. I. Hawley	171, 617	Dec. 28, 1875	959	311	8	1102
Stove, Gas	E. L. Vergurson	161, 916	Apr. 13, 1875	301	100	7	623
Stove, Gas	J. J. West	163, 344	May 18, 1875	603	193	7	849
Stove, Heating	J. D. Avil	163, 441	May 18, 1875	683	218	7	860
Stove, Heating	J. K. Babcock	164, 899	June 29, 1875	1026	331	7	1103
Stove, Heating	R. S. Barr	170, 535	Nov. 30, 1875	1176	372	8	922
Stove, Heating	A. Bettes	165, 295	July 6, 1875	137	41	8	27
Stove, Heating	G. H. Castle	162, 624	Apr. 27, 1875	973	313	7	723
Stove, Heating	M. C. C. Church	167, 497	Sept. 7, 1875	100	32	8	421
Stove, Heating	G. Comstock	158, 572	Jan. 12, 1875	210	71, 72	7	54
Stove, Heating	M. A. Cushing	160, 398	Mar. 2, 1875	123	45	7	366
Stove, Heating	H. G. Giles	165, 414	July 13, 1875	283	84	8	54
Stove, Heating	P. J. Hardy	163, 987	June 1, 1875	121	41, 42	7	948
Stove, Heating	P. J. Hardy	113, 988	June 1, 1875	125	42	7	948
Stove, Heating	W. W. Hatch and C. W. Fuller	161, 611	Apr. 6, 1875	90	8	7	571
Stove, Heating	G. W. Herrick	159, 670	Feb. 9, 1875	407	135	7	248
Stove, Heating	Z. Hunt	169, 172	Oct. 26, 1875	836	272	8	706
Stove, Heating	S. H. Kreider	165, 335	July 6, 1875	174	53	8	33
Stove, Heating	C. Noble	160, 222	Feb. 23, 1875	940	309	7	334
Stove, Heating	M. Pierce	164, 592	June 15, 1875	711	242	7	1046
Stove, Heating	L. M. E. Ravand and V. Marty	168, 922	Oct. 19, 1875	566	193	8	663
Stove, Heating	S. Raymond and J. Campbell	167, 566	Sept. 7, 1875	163	52	8	429
Stove, Heating	M. Roberts	163, 289	Sept. 28, 1875	866	277	8	551
Stove, Heating	J. H. Robinson	159, 968	Feb. 16, 1875	698	232	7	293
Stove, Heating	W. T. Ross	169, 298	Oct. 26, 1875	949	308	8	721
Stove, Heating	H. J. Ruttan	165, 259	July 6, 1875	107	32	8	23
Stove, Heating	E. Smith	168, 534	Oct. 5, 1875	196	64, 65	8	592
Stove, Heating	L. B. Stuart	163, 951	June 1, 1875	94	32	7	944
Stove, Heating	W. B. Treadwell	169, 601	Nov. 2, 1875	361	84	8	769
Stove, Heating	J. Van	169, 317	Oct. 26, 1875	971	315	8	724
Stove, Heating	T. White	167, 594	Sept. 7, 1875	191	60	8	433
Stove, Heating	W. Wickkiser	166, 049	July 27, 1875	909	281	8	170
Stove, Heating and ventilating.	C. S. Eell	169, 765	Nov. 9, 1875	452	142	8	801
Stove implement	L. S. Hoyt	163, 659	May 25, 1875	901	286	7	896
Stove implement	I. A. Perry	163, 213	May 11, 1875	487	158	7	818
Stove, Lamp	M. F. Rathbun	166, 892	Aug. 17, 1875	686	212	8	313
Stove-leg	I. A. Lovejoy	167, 915	Sept. 21, 1875	502	159	8	493
Stove-leg	W. Tanner	168, 589	Oct. 11, 1875	274	89	8	610
Stove-leg fastening	A. J. Redway	113, 253	May 11, 1875	497	161	7	819
Stove-lid	W. Weaver	158, 551	Jan. 5, 1875	173	59	7	33
Stove-lid lifter	P. R. Ball	160, 297	Mar. 2, 1875	36	14	7	354
Stove-lid lifter	G. Sprague	159, 228	Jan. 26, 1875	856	279	7	164
Stove, Magazine	W. W. Baldwin	163, 442	May 18, 1875	684	218	7	860
Stove, Magazine	R. Blum	162, 344	Apr. 20, 1875	697	227	7	680
Stove, Magazine	J. A. Buckwalter	167, 218	Aug. 31, 1875	1029	319	8	377
Stove, Magazine	J. A. Buckwalter	169, 410	Nov. 2, 1875	83	26	8	746
Stove, Magazine	E. Bussey	161, 479	Mar. 30, 1875	1172	377	7	540
Stove, Magazine	W. Doyle	163, 583	May 25, 1875	834	264	7	887
Stove, Magazine	J. E. Tallmadge	159, 652	Jan. 26, 1875	696	229	7	141
Stove, Magazine cooking	T. N. Caulkins	164, 141	June 8, 1875	287	98	7	981
Stove, Magazine cooking	J. S. Perry, A. Dickey, and R. Z. Liddle	168, 047	Sept. 21, 1875	621	199	8	511
Stove, Magazine cooking	W. B. Treadwell	158, 653	Jan. 12, 1875	285	96	7	64
Stove, Magazine fire-place	J. J. McCormick	164, 015	June 1, 1875	147	53	7	951
Stove, Magazine fire-place	S. B. Sexton	162, 107	Apr. 13, 1875	462	153	7	643
Stove, Magazine fire-place	S. B. Sexton	162, 108	Apr. 13, 1875	464	154	7	643
Stove, Magazine heating	M. A. Cushing	166, 072	July 27, 1875	931	288	8	173
Stove, Magazine heating	G. H. Timmerman	163, 824	May 25, 1875	1038	329	7	914
Stove, Oil	H. Allen	166, 740	Aug. 17, 1875	549	168	8	293
Stove, Oil	A. Q. Allis	166, 738	Aug. 17, 1875	547	168	8	293
Stove, Oil	F. Gates	167, 236	Aug. 31, 1875	1044	324	8	379
Stove, Oil	F. Gates	167, 237	Aug. 31, 1875	1045	324	8	379
Stove-oven door	J. C. Barnes	165, 913	July 27, 1875	780	239	8	153
Stove, Parlor cook	W. Doyle	165, 919	July 27, 1875	785	241	8	153
Stove, Parlor cook	W. Doyle	165, 920	July 27, 1875	787	242	8	154
Stove, Parlor cook	A. White	165, 393	July 6, 1875	240	72	8	41
Stove-pipe and drum	J. Kelshaw	164, 306	June 8, 1875	443	146	7	1001
Stove-pipe collar and thimble	G. F. Brinkerhoff	159, 150	Jan. 26, 1875	781	256	7	154
Stove-pipe coupling	R. R. Ball	160, 296	Mar. 2, 1875	35	13	7	354
Stove-pipe elbow	J. F. Pichel	164, 872	June 22, 1875	983	317	7	1090
Stove-pipe elbows, Machine for making	J. F. Pichel	166, 029	July 27, 1875	891	275	8	167
Stove-pipe joint	D. H. Klotz	171, 329	Dec. 21, 1875	719	237	8	1061
Stove-pipe joint	G. D. Umland	165, 893	July 20, 1875	751	230	8	136
Stove-pipe shelf	M. Bennet	163, 445	May 18, 1875	686	219	7	861
Stove-pipe shelf	J. Christy	169, 147	Oct. 26, 1875	813	264	8	702
Stove-pipe shelf	J. Emmert	159, 657	Feb. 9, 1875	392	130	7	247
Stove-pipe shelf	R. D. Farr	162, 365	Apr. 20, 1875	719	234	7	682
Stove-pipe shelf	M. H. Harman	161, 878	Apr. 13, 1875	267	89	7	618
Stove-pipe shelf	G. Hilbirt	171, 283	Dec. 21, 1875	625	204	8	1048
Stove-pipe shelf	G. W. Langdon	171, 146	Dec. 14, 1875	468	153	8	1020
Stove-pipe shelf	A. J. Mills	171, 155	Dec. 14, 1875	477	156	8	1021
Stove-pipe shelf	C. E. Woodruff	162, 595	Apr. 27, 1875	950	305	7	720
Stove-pipe thimble	J. S. Elliott	159, 250	Feb. 9, 1875	8	3	7	186
Stove-pipe thimble	C. M. Laughlin and J. R. Hughes	163, 499	May 18, 1875	744	226	7	867
Stove-pipes, Lid-holding attachment to	W. S. Denman and M. E. Barfoot	163, 852	June 1, 1875	16	5	7	932
Stove-pipes, Manufacture of	L. Bancroft	169, 761	Nov. 9, 1875	448	141	8	801
Stove-platform	W. Evans	159, 659	Feb. 9, 1875	395	132	7	247
Stove-platform	S. L. Warren	168, 816	Oct. 11, 1875	475	155	8	639
Stove, Pocket gas	T. W. Houchin	166, 608	July 27, 1875	873	269	8	164
Stove, Pocket lamp	T. W. Houchin	162, 924	May 4, 1875	168	55	7	769
Stove-polish	C. E. Teets	171, 490	Dec. 28, 1875	825		8	1084

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Stove-polish .....	S. J. Wilson .....	159,056	Jan. 26, 1875	700	.....	7	142
Stove-polish .....	J. and A. P. Yates .....	158,878	Jan. 19, 1875	504	.....	7	109
Stove-polish, Device for holding and mixing.	J. C. Wightman .....	158,600	Jan. 12, 1875	292	98	7	65
Stove-polisher .....	J. M. Watson .....	165,898	July 20, 1875	755	.....	8	137
Stove, Portable .....	S. Thompson .....	161,341	June 8, 1875	474	157	7	1005
Stove, Regenerative hot-blast .....	C. Cochran and E. A. Cowper .....	167,644	Sept. 14, 1875	247	77	8	448
Stove-register .....	L. A. White and G. W. Lewin .....	170,792	Dec. 7, 1875	126	42	8	967
Stove, Reservoir .....	G. Hayner .....	163,194	May 11, 1875	445	{ 143 144	7	812
Stove-reservoir .....	C. Truesdale .....	164,613	June 15, 1875	729	{ 238 246	7	1048
Stove, Reservoir cooking .....	E. Card .....	169,026	Oct. 26, 1875	756	{ 247 247	8	694
Stove, Reservoir cooking .....	A. C. Corse and M. G. Fagan .....	163,155	May 11, 1875	407	{ 130 131	7	807
Stove, Reservoir cooking .....	A. C. Corse and M. G. Fagan .....	163,156	May 11, 1875	408	{ 132 132	7	808
Stove, Reservoir cooking .....	A. C. Corse and M. G. Fagan .....	163,157	May 11, 1875	409	{ 133 133	7	808
Stove, Reservoir cooking .....	A. C. Corse and M. G. Fagan .....	163,158	May 11, 1875	410	{ 133 134	7	808
Stove, Reservoir cooking .....	J. H. Goodfellow .....	159,259	Feb. 2, 1875	17	6	7	187
Stove, Reservoir cooking .....	R. M. Hermauce .....	164,735	June 22, 1875	854	277	7	1074
Stove, Reservoir cooking .....	G. N. Palmer .....	163,517	May 18, 1875	763	242	7	870
Stove, Reservoir cooking .....	D. E. Paris .....	163,823	June 1, 1875	40	13, 14	7	936
Stove, Reservoir cooking .....	G. H. Phillips .....	162,857	May 4, 1875	111	36	7	761
Stove, Reservoir cooking .....	G. G. Wolfe .....	164,629	June 15, 1875	742	{ 242 243	7	1050
Stove, Summer .....	E. Hawks .....	161,612	Apr. 6, 1875	21	8	7	571
Stove top, cover, griddle, &c .....	J. W. Lamb .....	164,190	June 8, 1875	331	113	7	987
Stove-ventilating attachment .....	C. Carter .....	164,259	June 8, 1875	397	134	7	995
Stove ventilator, Cooking .....	A. A. Peterson .....	164,206	June 8, 1875	345	118	7	989
Stove ventilator, Cooking .....	A. Leigh .....	162,834	May 4, 1875	89	29	7	759
Stoves, Ash-sifter for .....	J. H. Goodfellow .....	159,406	Feb. 2, 1875	150	50	7	205
Stoves, Ash-sifter for .....	G. G. Wolfe .....	159,735	Feb. 9, 1875	466	{ 155 156	7	257
Stoves, Ash-sifting attachment for .....	A. C. Corse .....	170,821	Dec. 7, 1875	150	50	8	970
Stoves, Attachment for cooking .....	T. K. Timby .....	168,809	Oct. 11, 1875	467	152	8	638
Stoves, Detachable ash-pan for .....	A. T. Bleyley .....	162,267	Apr. 20, 1875	629	205	7	672
Stoves, Floor-shield for .....	J. A. Hunter .....	161,041	Mar. 23, 1875	740	243	7	477
Stoves, Fuel cut-off for magazine .....	D. Smith .....	167,201	Aug. 31, 1875	1013	315	8	375
Stoves, Magazine for coal .....	J. P. Richardson .....	166,144	July 27, 1875	1606	310	8	184
Stoves, Vapor-burner for cooking .....	F. Rosengren .....	160,282	Mar. 2, 1875	23	9	7	352
Straightening-machine .....	J. S. Atkinson .....	170,461	Nov. 30, 1875	1134	358	8	916
Strainer for wash-basins and bath-tubs .....	J. D. Smith .....	162,705	Apr. 27, 1875	1058	337	7	733
Strainer, Milk .....	J. W. Bray .....	163,632	May 25, 1875	881	277	7	593
Strainer, Milk .....	F. L. Oliver .....	165,858	July 20, 1875	721	219	8	131
Strainer, Pot .....	P. Michels .....	165,354	July 6, 1875	194	58	8	35
Strainer, Pulp .....	S. E. Crocker .....	170,471	Nov. 30, 1875	1145	361	8	918
Strainer, Starch .....	W. Graham .....	158,486	Jan. 5, 1875	191	41	7	26
Strap: See Boot and shoe strap. Shawl-strap. Halter-strap. Suspender-button strap. Leather strap. Trunk-strap. Package-strap. Wagon-box strap. Razor-strap.							
Straw-board, Manufacture of lined .....	B. F. Field .....	166,087	July 27, 1875	948	292	8	175
Straw-burning furnace .....	J. R. King .....	163,169	July 6, 1875	25	7, 8	8	12
Straw-cutter .....	B. Belcher .....	163,724	May 25, 1875	956	303	7	903
Straw-cutter .....	W. B. Bowman .....	160,585	Aug. 10, 1875	383	118	8	261
Straw-cutter .....	E. W. Fawcett .....	162,637	Apr. 27, 1875	983	316	7	724
Straw-cutter .....	W. Gale .....	160,417	Mar. 2, 1875	143	50	7	369
Straw-cutter .....	J. Grimm .....	171,562	Dec. 28, 1875	895	292	8	1094
Straw-cutter .....	W. H. Hall .....	167,334	Aug. 31, 1875	1127	354	8	391
Straw-cutter .....	T. Hancock .....	163,068	May 11, 1875	328	{ 106 107	7	797
Straw-cutter .....	L. Schellinger .....	166,307	Aug. 3, 1875	112	35	8	215
Straw-cutter .....	C. F. and M. Stewart .....	163,514	July 13, 1875	380	113	8	68
Straw-cutter .....	A. Vahldieck .....	163,389	July 6, 1875	233	71	8	40
Straw-stacker .....	G. Sanders .....	159,458	Feb. 2, 1875	199	66	7	212
Straw-twisting machine .....	S. Kuh .....	160,777	Mar. 16, 1875	505	164	7	435
Street-mans, Laying .....	A. O'Neill .....	163,942	June 1, 1875	87	30	7	943
Street-sprinkler .....	J. N. Buchanan .....	159,498	Feb. 9, 1875	255	83	7	227
Street-sprinkler .....	E. H. Franz .....	159,253	Feb. 2, 1875	11	4	7	186
Street-sprinkler .....	G. A. Jeremiah .....	159,182	Jan. 26, 1875	812	266	7	158
Street-sprinkler .....	W. Westerfield .....	159,874	Feb. 16, 1875	612	203	7	281
Street-sweeper .....	O. W. Kellogg .....	163,784	May 25, 1875	1005	319	7	969
Street-sweeper .....	O. W. Kellogg .....	168,569	Oct. 11, 1875	253	83	8	607
Street-sweeping machine .....	W. M. Blume .....	162,345	Apr. 30, 1875	698	227	7	660
Street-sweeping machine .....	J. Edson .....	159,025	Jan. 26, 1875	674	220	7	138
Stud and button fastening .....	B. Clayton .....	161,668	Apr. 6, 1875	70	25	7	579
Stud-fastening .....	J. C. W. Jefferys .....	164,177	June 8, 1875	321	109	7	985
Stud-fastening .....	S. Zacharias .....	160,634	Mar. 9, 1875	348	118	7	498
Stud, Shirt .....	E. W. Averell .....	160,865	Mar. 16, 1875	578	188	7	445
Stuffing-box .....	A. G. Myers .....	163,796	May 25, 1875	1015	322	7	911
Stuffing-box and valve mechanism for hydrants .....	J. P. Hyde .....	166,611	Aug. 10, 1875	408	61	8	265
Stuffing-box, Piston-rod .....	J. M. Searle .....	163,189	Sept. 28, 1875	779	247	8	539
Stuffing-boxes, Metallic packing for .....	P. Sage .....	168,344	Oct. 5, 1875	23	9	8	568
Stump-elevator .....	J. H. Barnes .....	160,808	Mar. 16, 1875	534	173	7	439
Stump-elevator .....	J. M. Batchelor .....	160,899	Mar. 16, 1875	578	188	7	445
Stump-extractor .....	W. H. Fulton .....	161,500	Mar. 30, 1875	1200	385	7	543
Stump-extractor .....	J. A. Hart and W. A. Grove .....	171,379	Dec. 21, 1875	707	233	8	1060
Stump-extractor .....	W. F. Kenle .....	169,909	Nov. 16, 1875	559	186	8	828
Stump-extractor .....	A. McKeuney .....	162,936	May 4, 1875	184	61	7	771
Stump-extractor .....	A. McKeuney .....	162,937	May 4, 1875	186	61	7	771
Stump-puller .....	C. C. Hogue .....	159,760	Feb. 16, 1875	506	170	7	268

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Stamp-puller	W. O. Johnson	166, 384	Aug. 3, 1875	186	56	8	225
Submarine-rock chisel	A. J. Whitney	170, 425	Nov. 23, 1875	1087	342	8	904
Sucker-rod socket	P. E. Jenks	167, 903	Sept. 21, 1875	494	156	8	492
Sugar, Apparatus for molding and liquoring	F. O. Matthiessen	163, 692	May 11, 1875	348	113	7	800
Sugar, Apparatus for refining	F. O. Matthiessen	163, 693	May 11, 1875	349	114	7	800
Sugar, Apparatus for refining	F. O. Matthiessen	163, 694	May 11, 1875	350	114	7	800
Sugar, Apparatus for the manufacture of hard	J. O. Donner	160, 656	Mar. 9, 1875	369	124	7	411
Sugar-ene cutting machine	J. Roberts	160, 121	Feb. 23, 1875	852	281	7	322
Sugar cooling and draining apparatus	J. G. Angell	169, 223	Oct. 26, 1875	879	286	8	712
Sugar cooling and draining apparatus	J. H. Ilysson	166, 778	Aug. 17, 1875	579	178	8	298
Sugar-cutting machine	J. O. Donner	160, 657	Mar. 9, 1875	370	125	7	411
Sugar-cutting machine	G. P. Oeckersbausen	160, 955	Mar. 16, 1875	648	211	7	455
Sugar-cutting machine	F. Roehow	164, 485	June 15, 1875	621	201	7	1033
Sugar-cutting machine	F. Roehow	164, 486	June 15, 1875	623	201	7	1033
Sugar-cutting machine	F. Roehow	164, 767	June 22, 1875	879	287	7	1077
Sugar drier, Refined	A. F. W. Partz	159, 769	Feb. 16, 1875	514	172	7	269
Sugar luto blocks, Machine for pressing	J. W. Jarboe	166, 383	Aug. 3, 1875	185	55	8	225
Sugar machine, Cube	G. D. Jones	169, 604	Oct. 19, 1875	656	216	8	673
Sugar, Manufacture of	J. S. Oliver	159, 525	Feb. 9, 1875	288	93	7	231
Sugar, Manufacture of grape	E. E. Pearse	159, 837	Feb. 16, 1875	577	192	7	276
Sugar, Manufacture of hard	E. Langen	163, 667	May 23, 1875	907	311	7	896
Sugar-mold	M. L. Sendorling	166, 156	July 27, 1875	1011	311	8	184
Sugar, Process of manufacturing hard	F. O. Matthiessen	161, 424	Mar. 30, 1875	1122	373	7	533
Sugar, Process of refining	F. O. Matthiessen	162, 243	Apr. 20, 1875	607	207	7	669
Sugar, Process of refining	F. O. Matthiessen	162, 244	Apr. 20, 1875	607	207	7	669
Sugar, Process of refining	F. O. Matthiessen	162, 245	Apr. 20, 1875	608	207	7	669
Sugar, Process of refining	F. O. Matthiessen	169, 823	Nov. 9, 1875	508	173	8	808
Sugar, Refining	F. O. Matthiessen	160, 928	Mar. 16, 1875	632	211	7	453
Sugar, Refining	F. O. Matthiessen	162, 242	Apr. 20, 1875	606	204	7	669
Sugar-sawing machine	G. P. Oeckersbausen	166, 403	Aug. 3, 1875	204	61	8	227
Sugar skimmer and cooler	J. L. Morgan	163, 392	May 18, 1875	644	206	7	855
Sugar-splitting machine, Hard	G. Dinkel and W. R. Elmenhorst	166, 728	Oct. 11, 1875	394	129	8	628
Sulky	P. Soule	160, 664	Feb. 23, 1875	808	265	7	315
Sulphur, Method of and apparatus for separating free	S. H. Johnson	166, 279	Aug. 3, 1875	84	26, 27	8	211
Supporter:							
<i>See</i> Book-supporter.	Shirt-bosom supporter.						
Book and music sup- porter.	Skirt-supporter.						
Cattle-supporter.	Spooling-machine-bob- bin supporter.						
Dress-supporter.	Spring-seat supporter.						
Fence-post supporter.	Stocking or skirt sup- porter.						
Lamp-supporter.	Stool-supporter.						
Lamp-shade supporter.	Tongue-supporter.						
Neck-tie supporter.	Umbrella-supporter.						
Rain-spout supporter.	Uterine supporter.						
Sash-supporter.							
Shaft-supporter.							
Suppository-mold	A. S. Wetmore	170, 975	Dec. 14, 1875	308	102	8	999
Surcingle	H. M. Witter	160, 560	Mar. 9, 1875	286	97	7	399
Surcingle	H. M. Witter	160, 987	Mar. 16, 1875	684	225	7	461
Surgical instrument	H. L. Stillman	160, 037	Feb. 23, 1875	782	258	7	311
Surveyor's target	T. Davies	159, 021	Jan. 26, 1875	671	219	7	137
Suspenders	R. H. Eddy	166, 974	Aug. 24, 1875	778	240	8	335
Suspenders	S. K. Ellis	169, 245	Oct. 26, 1875	898	292	8	714
Suspenders	W. Stokes	170, 627	Nov. 16, 1875	696	219	8	841
Suspenders	A. R. Warren	167, 961	Sept. 21, 1875	535	172	8	499
Suspenders belt, or garter fastening	A. C. Smith	161, 071	Mar. 23, 1875	767	253	7	480
Suspenders button-strap	A. Shenfield	169, 855	Nov. 9, 1875	537	168	8	811
Suspenders, Cast-off for	S. W. Fisk	161, 111	Mar. 23, 1875	810	265	7	485
Suspending ring or fastener	G. W. McGill	162, 185	Apr. 20, 1875	552	181	7	662
Swaging-machines, Blank-feeding attachment for	R. Thompson	167, 630	Sept. 14, 1875	235	73	8	446
Swimmer's glove-paddle	E. G. Kinsley	170, 957	Dec. 14, 1875	286	96	8	996
Swing	C. H. Cain	160, 380	Mar. 2, 1875	116	42, 43	7	365
Swing	S. McClevey	163, 509	May 23, 1875	852	269	7	889
Swing	W. P. Rogers	170, 900	Dec. 7, 1875	215	74	8	979
Swing, Child's	G. A. Tanjoy	164, 726	June 23, 1875	847	275	7	1073
Swing, Rotary	I. N. Forrester	169, 797	Nov. 9, 1875	484	152	8	805
Swinging and tilting gate	A. Brukerhoff	170, 517	Nov. 30, 1875	1157	374	8	924
Swinging-gate	J. A. Moore	171, 158	Dec. 14, 1875	429	157	8	1021
Swinging-gate	F. Raymond	160, 842	Mar. 16, 1875	560	181	7	443
Switch:							
<i>See</i> Railway-switch.	Safety-switch.						
Switch-locking device	J. M. Toney, W. H. Smith, and W. Buckanan.	160, 364	Mar. 2, 1875	94	35	7	362
Switch-signal	J. A. T. Bird	158, 776	Jan. 19, 1875	411	138	7	97
Switch-signal	J. Murray	161, 811	Nov. 9, 1875	494	155	8	806
Switch-signal, Railway	W. W. Colley	165, 795	July 20, 1875	652	200	8	123
Switch-signals, Apparatus for operating and locking	S. H. Finch	161, 949	Apr. 13, 1875	321	108	7	625
Switch-signaling apparatus	J. M. Toney, W. H. Smith, and W. Buchanan.	164, 612	June 15, 1875	728	238	7	1048
Syringe	W. P. Clotworthy	169, 238	Oct. 26, 1875	891	290	8	714
Syringe	W. Molesworth	171, 182	Nov. 23, 1875	870	272	8	871
Syringe, Combination	W. P. Clotworthy	166, 967	Aug. 24, 1875	773	235	8	334
Syringe, Hypodermic	J. Leiter	159, 192	Jan. 26, 1875	821	270	7	159
Syringe, Vaginal	J. S. Wilkin	163, 038	May 11, 1875	302	97	7	794
Syringes, &c., Shield attachment for bulb	E. T. Starr	169, 384	Nov. 2, 1875	62	18	8	743

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Table:	
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Billiard-table.	Ironing and kitchen table.
Convertible table.	Kitchen-table.
Extension-table.	Knock-down table.
Folding-table.	Lap-table.
Game-table.	

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Paper-hanger's table.	Steaming table.						
Parlor-table.	Toy-table.						
Pastry-table.	Turn-table.						
Refrigerating-table.	Work-table.						
Table	L. Postawka	162,304	Apr. 20, 1875	659	215	7	676
Table and desk, Combined.	T. W. Moore	163,939	June 1, 1875	84	24	7	942
Table and slicer, Combined.	T. Witmer	161,920	Apr. 13, 1875	305	101	7	623
Table-corner	R. Ewald	170,722	Dec. 7, 1875	62	19	8	959
Table-implement	O. W. Taft	161,573	Mar. 30, 1875	1267	407	7	552
Table-leaf lifter and supporter.	T. E. Smith	165,265	July 6, 1875	112	33	8	24
Table-leaf support.	D. Jackson	171,570	Dec. 28, 1875	902	295	8	1095
Table-leaf supporter.	J. Wanner	169,368	Nov. 2, 1875	64	19	8	743
Table-leg, Adjustable	J. H. Balsley	169,613	Nov. 9, 1875	290	93	8	781
Table-legs, Device for fastening	W. K. Sawyer	171,322	Dec. 21, 1875	655	215	8	1052
Table-ware, Covered.	H. C. Wilcox	158,661	Jan. 12, 1875	292	98	7	65
Tablet holder, Erasive.	D. M. Somers	168,850	Oct. 19, 1875	516	169	8	654
Tack	E. P. Hincks	170,854	Dec. 7, 1875	177	60	8	974
Tack-driving machine	J. E. Coffin	168,878	Oct. 19, 1875	539	177	8	657
Tack-extractor	M. Hermance	171,129	Dec. 14, 1875	452	148	8	1018
Tacks, awls, &c., Machine for making crimping.	H. A. Williams	167,046	Aug. 24, 1875	845	263	8	344
Tacking-machine	J. W. Carver	163,456	May 18, 1875	696	222	7	862
Tackle-block	G. Martin	160,534	Mar. 9, 1875	264	90	7	395
Tag	C. B. Sheldon	158,443	Jan. 5, 1875	79	27	7	20
Tag-fastener	T. P. Marston	168,267	Sept. 28, 1875	847	270	8	549
Tag-fastener	T. P. Marston	169,650	Nov. 9, 1875	329	104	8	786
Tag-machine	H. D. Meutzler	165,109	June 29, 1875	1209	389	7	1127
Tag-stringing machine	W. L. Nye	165,173	July 6, 1875	31	9	8	13
Tailor's drafting apparatus	M. C. Ten Eyck	168,966	Oct. 19, 1875	597	197	8	665
Tailor's pattern	J. H. Nichols	169,468	Nov. 2, 1875	133	42, 43	8	753
Tailor's shears	M. E. Pleas	164,327	June 8, 1875	461	152	7	1004
Tallow, oils, &c., Apparatus for treating.	J. Tardos, jr	171,328	Dec. 21, 1875	660	217	8	1053
Tally, Grain	S. A. Hazleton	163,590	May 25, 1875	842	266	7	888
Tally, Grain	W. Schnebly	165,763	July 20, 1875	617	190	8	118
Tally, Grain	H. L. Townsend	171,195	Dec. 14, 1875	513	169	8	1026
Tally, Grain	W. D. Wiley	166,442	Aug. 3, 1875	244	74	8	234
Tampico-dressing machine	J. D. Baker	171,080	Dec. 14, 1875	401	133	8	1011
Tan-yat	O. W. Bean	170,330	Nov. 23, 1875	1002	314	8	890
Tan-yat	C. H. Manning	163,021	May 11, 1875	282	91	7	792
Tank:							
See Cement-tank.	Night-soil tank.						
Lard-tank.	Oil-tank.						
Lard-rendering tank.	Oil safety-tank.						
Measuring-tank.							
Tank-regulator	A. Fuller	164,539	June 15, 1875	666	216	7	1039
Tanning apparatus	E. C. Haserick	159,510	Feb. 9, 1875	274	89	7	230
Tanning apparatus	H. Reed	158,438	Jan. 5, 1875	72	26	7	19
Tanning compound	A. Haswell and J. C. Long	163,191	May 11, 1875	443	7	8	812
Tanning hides and skins.	J. Angus	167,866	Sept. 21, 1875	461	8	8	487
Tanning hides, Process for.	G. A. Bartenback and C. Richter	162,140	Apr. 30, 1875	511	7	7	657
Tanning hides, Process of	E. A. Baldwin and C. A. Holcombe.	164,792	June 22, 1875	902	7	7	1080
Tanning hides, Process of	A. De Meritens	165,314	July 6, 1875	155	8	8	30
Tanning leather	G. W. Hatch	165,822	July 20, 1875	685	8	8	126
Tanning pickled skins	W. R. Stace	159,366	Feb. 2, 1875	113	7	7	200
Tanning, Preparing hides and skins for.	H. Ely	170,623	Nov. 30, 1875	1290	8	8	937
Tanning skins, Process of	E. Manasse	165,348	July 6, 1875	188	8	8	35
Tap and faucet for barrels	A. C. Springer	162,427	Apr. 20, 1875	781	254	7	690
Tap, Cask	T. A. Mathewson	159,522	Feb. 9, 1875	286	92	7	231
Tapping barrels, &c., of fermented liquors, Apparatus for.	J. Barrett	165,467	July 13, 1875	340	100	8	62
Tapping mains, Machine for.	J. Hancock	169,438	Nov. 2, 1875	107	34	8	749
Tapping water-mains, Device for	J. Curran	165,310	July 6, 1875	151	46	8	29
Taper-gage	C. B. Hunt	165,734	July 20, 1875	594	182	8	115
Tar from sea-weed, Apparatus for obtaining.	W. S. Ruddick	167,410	Sept. 7, 1875	29	8	8	410
Tar, Treating	T. H. Dunham	163,979	June 1, 1875	116	7	7	947
Target	C. Buckner, jr	162,149	Apr. 20, 1875	518	170	7	658
Target	T. B. Counory	164,525	June 15, 1875	656	212	7	1038
Target	T. H. Mead	169,019	Oct. 19, 1875	670	220	8	675
Tea and coffee pot.	L. Evans	160,408	Mar. 2, 1875	133	47	7	368
Tea and coffee pot.	J. B. Hutchinson and G. W. Fairfield.	162,658	Apr. 27, 1875	1005	322	7	727
Tea-caddy	W. T. Sherer	161,829	Apr. 6, 1875	211	71	7	599
Tea, coffee, &c., caddy	R. Mainer	169,113	Oct. 26, 1875	785	255	8	698
Tea-kettle	H. Gray	159,817	Feb. 16, 1875	560	186	7	274
Tea-kettle	N. A. Menaer	164,385	June 15, 1875	531	174	7	1022
Tea-kettle handle	W. S. Potwin	162,305	Apr. 20, 1875	660	215	7	676
Tea-pot handle	T. Shaw	159,121	Jan. 26, 1875	758	249	7	150
Teaching drawing, Device for.	E. L. Crawl	171,268	Dec. 21, 1875	612	200	8	1047
Teaching penmanship, Copy-slip for.	C. Allen	164,192	Mar. 23, 1875	878	288	7	494
Teeth, Artificial.	W. H. Gates	161,913	June 29, 1875	1039	335	7	1104
Teeth, Composition for filling	E. Erlenuemeyer	159,568	Feb. 9, 1875	320	7	7	236
Teeth, Plate for artificial	B. J. Field	160,582	Mar. 9, 1875	304	103	7	401
Teeth-protector	A. Hopien	165,584	July 13, 1875	442	134	8	78
Teeth, Securing pins to artificial	O. S. Bixby	160,675	Feb. 23, 1875	816	268	7	316
Teeth, Treating celluloid bases for artificial.	J. G. Cannon	165,303	July 6, 1875	143	44	8	28
Telegraph and circuit, Automatic and autographic.	W. E. Sawyer	159,460	Feb. 2, 1875	201	66, 67	7	212
Telegraph apparatus	T. A. Edison	158,787	Jan. 19, 1875	429	141	7	96
Telegraph apparatus	T. A. Edison	171,273	Dec. 21, 1875	616	201	8	1047
Telegraph apparatus	M. Gally	159,664	Feb. 9, 1875	400	133	7	248
Telegraph apparatus, Automatic	O. Heikel	167,242	Aug. 31, 1875	1048	326	8	380

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Telegraph apparatus, Duplex	M. G. Farmer	160, 581	Mar. 9, 1875	301	{ 102 103	7	401
Telegraph, Autographic	W. E. Sawyer	171, 051	Dec. 14, 1875	369	{ 122 123	8	1007
Telegraph, Automatic	P. B. Delany	165, 156	July 6, 1875	10	3	8	10
Telegraph, Automatic	T. A. Edison	168, 243	Sept. 28, 1875	824	262	8	546
Telegraph, Automatic	C. Wheatstone and J. M. A. Stroh	166, 168	July 27, 1875	1029	317	8	186
Telegraph, Automatic electric	W. E. Sawyer	165, 620	July 13, 1875	479	146	8	83
Telegraph circuit, Fire-alarm	J. N. Gamewell	163, 310	May 18, 1875	570	182	7	845
Telegraph, Copying	W. E. Sawyer	171, 050	Dec. 14, 1875	368	198	8	1007
Telegraph coupling, Train	A. Ryder	169, 732	Nov. 9, 1875	411	130	8	796
Telegraph, Dial electric	C. T. Chester	165, 063	June 29, 1875	1166	{ 375 376	7	1121
Telegraph, Duplex	T. A. Edison	162, 633	Apr. 27, 1875	979	315	7	724
Telegraph, Duplex	T. A. Edison	168, 355	Oct. 5, 1875	58	21	8	573
Telegraph, Duplex	M. Gally	163, 923	June 1, 1875	70	24	7	940
Telegraph, Duplex	G. Smith	165, 263	July 6, 1875	111	33	8	24
Telegraph, Electric	R. K. Boyle	169, 513	Nov. 2, 1875	171	57	8	758
Telegraph, Electric train	H. C. Keyes and J. P. Clark	166, 616	Aug. 10, 1875	411	127	8	265
Telegraph, Electro-magnetic	J. Olmstead	167, 685	Sept. 14, 1875	281	89	8	453
Telegraph, Fac-simile	J. C. Ludwig	170, 385	Nov. 23, 1875	1048	329	8	896
Telegraph, Fire-alarm	S. Chester	169, 087	Oct. 26, 1875	757	247	8	694
Telegraph, Fire-alarm	A. Rosenbusch	162, 953	May 4, 1875	202	66	7	774
Telegraph for transmitting musical tones, Electric	E. Gray	166, 095	July 27, 1875	957	{ 294 295	8	176
Telegraph for transmitting musical tones, Electric	E. Gray	166, 096	July 27, 1875	958	295	8	177
Telegraph-key, Automatic	L. S. Crandall	168, 143	Sept. 28, 1875	740	233	8	534
Telegraph-key, Automatic	L. S. Crandall	168, 144	Sept. 28, 1875	741	234	8	534
Telegraph-key, Compound	M. L. M. Hussey	166, 876	Aug. 17, 1875	671	208	8	311
Telegraph-line, Underground	D. Brooks	165, 535	July 13, 1875	399	120	7	71
Telegraph magnet, Electric	C. Wheatstone and J. M. A. Stroh	166, 169	July 27, 1875	1030	317	8	187
Telegraph, Magneto-printing	G. L. Anders	169, 506	Nov. 2, 1875	163	54, 55	8	737
Telegraph, Non-interfering fire-alarm	J. W. Kates	165, 591	July 13, 1875	448	136	8	79
Telegraph paper, Solution for chemical	T. A. Edison	160, 402	Mar. 2, 1875	130	.....	7	367
Telegraph paper, Solution for chemical	T. A. Edison	160, 403	Mar. 2, 1875	130	.....	7	367
Telegraph paper, Solution for chemical	T. A. Edison	160, 404	Mar. 2, 1875	130	.....	7	367
Telegraph paper, Solution for chemical	T. A. Edison	160, 560	Mar. 9, 1875	301	.....	7	401
Telegraph-pole, Metallic	R. D. Radcliffe	159, 215	Jan. 26, 1875	844	276	7	162
Telegraph, Pressure, alarm, and signal	C. E. Buell	169, 654	Nov. 16, 1875	637	198	8	832
Telegraph, Printing	T. A. Edison	168, 004	Sept. 21, 1875	571	184	8	504
Telegraph, Printing	E. Gray	168, 249	Sept. 28, 1875	830	{ 265 266	8	547
Telegraph, Printing	A. A. Kundson	160, 442	Mar. 2, 1875	166	57	7	372
Telegraph, Printing	G. M. Phelps	161, 151	Mar. 23, 1875	845	{ 275 276	7	490
Telegraph, Printing	G. M. Phelps	168, 919	Oct. 19, 1875	583	{ 192 193	8	663
Telegraph, Printing	J. E. Smith	165, 379	July 6, 1875	219	66	8	38
Telegraph, Printing	C. J. Wiley	168, 949	Oct. 19, 1875	606	201	8	607
Telegraph, Printing	C. J. Wiley	169, 875	Nov. 9, 1875	558	174	8	814
Telegraph, Printing	A. Wirsching	166, 911	Aug. 17, 1875	702	218	8	315
Telegraph, Quadruplex	J. Olmstead	170, 963	Dec. 14, 1875	291	98	8	997
Telegraph, Railway	B. Cade	171, 350	Dec. 21, 1875	681	224	8	1056
Telegraph-receiver, Electro-harmonic	E. Gray	166, 094	July 27, 1875	956	294	8	176
Telegraph recording-point, Chemical	T. A. Edison	168, 467	Oct. 5, 1875	129	.....	8	583
Telegraph-relay	P. B. Delany	165, 157	July 6, 1875	10	4	8	10
Telegraph-relay, Pocket	E. A. Hill and H. J. Schneider	165, 578	July 13, 1875	437	132	8	77
Telegraph signal-box, Fire-alarm	M. G. Crane	165, 918	July 27, 1875	784	241	8	153
Telegraph solution, Chemical	T. A. Edison	168, 465	Oct. 5, 1875	128	.....	8	583
Telegraph solution, Chemical	T. A. Edison	168, 466	Oct. 5, 1875	129	.....	8	583
Telegraph-sounder	J. H. Bunell	159, 894	Feb. 16, 1875	632	210	7	284
Telegraph sounder and recorder	D. F. Leahy	160, 271	Mar. 2, 1875	15	6	7	351
Telegraph-sounder, Mechanical	M. F. Wessmann	160, 374	Mar. 2, 1875	102	37	7	363
Telegraph, Station for submarine	R. F. Bradley	163, 915	June 1, 1875	64	22	7	939
Telegraph, Train	A. Ryder	164, 940	June 29, 1875	1065	343	7	1107
Telegraph, Train	A. N. Towne	163, 549	May 18, 1875	790	250	7	873
Telegraph-transmitter	H. Middleton	166, 712	Aug. 17, 1875	530	{ 159 160	8	289
Telegraph transmitter and receiver, Automatic	T. A. Edison	168, 242	Sept. 28, 1875	823	261	8	545
Telegraph transmitter and receiver, Electric	A. G. Bell	161, 739	Apr. 6, 1875	129	45	7	567
Telegraph-transmitter, Electro-harmonic	E. Gray	165, 728	July 20, 1875	588	190	8	114
Telegraph-wire coupling	S. M. Barbour and F. A. Page	165, 055	June 29, 1875	1160	373	7	1120
Telegraph-wire, Insulated	W. Strickler	162, 204	Apr. 20, 1875	568	186	7	664
Telegraphs, Compound switch for fire-alarm	S. Weeks	161, 721	Apr. 6, 1875	110	39	7	585
Telegraphic apparatus and circuit	M. Gally	158, 928	Jan. 19, 1875	558	185	7	116
Telegraphic apparatus, Automatic	M. Gally	158, 927	Jan. 19, 1875	556	{ 184 185	7	115
Telegraphic circuit	W. E. Sawyer	166, 305	Aug. 3, 1875	109	34	8	215
Telegraphic fire-alarm repeater	J. N. Gamewell, M. G. Crane, and E. Rogers	165, 923	July 27, 1875	790	243	8	154
Telegraphic signal apparatus	J. W. Kates	158, 715	Jan. 12, 1875	337	115	7	71
Telegraphic signal-box	W. H. Sawyer	159, 771	Feb. 16, 1875	517	172	7	269
Telegraphy, Automatic or chemical	W. E. Sawyer	158, 442	Jan. 5, 1875	75	27	7	20
Telegraphy, Chemical	T. A. Edison	166, 859	Aug. 17, 1875	634	.....	8	309
Telegraphy, Chemical	T. A. Edison	166, 860	Aug. 17, 1875	635	.....	8	309
Telegraphy, Chemical	T. A. Edison	166, 861	Aug. 17, 1875	635	.....	8	309
Telescope eye-piece	J. W. Nystrom	169, 917	Nov. 16, 1875	698	188	8	829
Telescopic tower for light-ships	S. D. Trenchard	160, 290	Mar. 2, 1875	30	12	7	353
Tellurian	J. Troll	167, 138	Aug. 24, 1875	944	291	8	357
Temperature, Instrument for regulating	A. Campbell	169, 339	Nov. 2, 1875	16	5	8	736
Tempering furnace, Steel	J. B. Armstrong	170, 430	Nov. 30, 1875	1107	349	8	913
Tempering steel plates	A. Disston and C. T. Shoemaker	159, 652	Feb. 9, 1875	385	127	7	246
Temple-teeth, Machine for setting	N. Chapman	168, 719	Oct. 11, 1875	387	127	8	627
Tenon-relishing machine	E. A. Rowley	160, 957	Mar. 16, 1875	659	215	7	456
Tenous and cutting wedges, Machine for relishing	J. H. Millspaugh	161, 810	Apr. 6, 1875	190	64	7	596



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Tenoning-machine . . . . .	H. Brand . . . . .	169,336	Nov. 2, 1875	12	4	8	736
Tenoning-machine . . . . .	E. H. Rees . . . . .	170,396	Nov. 23, 1875	1061	333 334	8	898
Testing-machine . . . . .	L. A. Beardslee . . . . .	161,737	Apr. 6, 1875	128	44	7	567
Testing-machine . . . . .	W. J. Scott . . . . .	169,376	Nov. 2, 1875	54	16	8	742
Testing the strength of materials, Machine for . . . . .	L. A. Beardslee . . . . .	161,653	Apr. 6, 1875	56	21	7	577
Textile materials, Machine for piling . . . . .	A. Warth . . . . .	159,988	Feb. 16, 1875	718	238 239	7	295
Thermometer . . . . .	J. Gall . . . . .	167,327	Aug. 31, 1875	1121	352	8	390
Thermometer . . . . .	G. Gano . . . . .	165,816	July 20, 1875	674	206	8	125
Thermometer, Registering . . . . .	D. Draper . . . . .	164,275	June 8, 1875	413	138	7	997
Thermostat, Electric . . . . .	E. J. Frost . . . . .	165,413	July 13, 1875	282	84	8	54
Thill-coupling . . . . .	H. K. Boswell and D. Immel . . . . .	162,610	Apr. 27, 1875	962	309	7	722
Thill-coupling . . . . .	C. D. Bundy . . . . .	164,140	June 8, 1875	286	98	7	921
Thill-coupling . . . . .	J. R. Burville . . . . .	158,399	Jan. 5, 1875	43	15	7	15
Thill-coupling . . . . .	F. Chapman . . . . .	167,431	Sept. 7, 1875	48	14	8	413
Thill-coupling . . . . .	H. K. Forbis . . . . .	164,286	June 8, 1875	422	141	7	998
Thill-coupling . . . . .	A. W. Forwood . . . . .	161,402	Mar. 30, 1875	1103	357	7	531
Thill-coupling . . . . .	O. B. Franklin . . . . .	162,544	Apr. 27, 1875	906	290	7	714
Thill-coupling . . . . .	C. O. Gardiner . . . . .	163,762	May 25, 1875	986	313	7	907
Thill-coupling . . . . .	S. A. Hathaway . . . . .	166,697	Aug. 17, 1875	505	154	8	287
Thill-coupling . . . . .	S. L. Hill . . . . .	168,491	Oct. 5, 1875	153	50	8	587
Thill-coupling . . . . .	N. P. Ingalls . . . . .	158,944	Jan. 19, 1875	569	189	7	117
Thill-coupling . . . . .	E. Jarrell . . . . .	160,681	Mar. 9, 1875	388	131	7	413
Thill-coupling . . . . .	J. B. Johnston . . . . .	167,175	Aug. 31, 1875	994	309	8	372
Thill-coupling . . . . .	W. Katon . . . . .	168,160	Sept. 28, 1875	755	238	8	536
Thill-coupling . . . . .	G. W. Ladd . . . . .	164,845	June 22, 1875	955	309	7	1087
Thill-coupling . . . . .	H. A. Luttgens . . . . .	161,973	Apr. 13, 1875	346	116	7	628
Thill-coupling . . . . .	T. McCaffery . . . . .	170,681	Dec. 7, 1875	96	8	8	954
Thill-coupling . . . . .	M. McDevitt . . . . .	162,671	Apr. 27, 1875	1020	327	7	729
Thill-coupling . . . . .	A. Olsson . . . . .	159,348	Feb. 2, 1875	98	34	7	197
Thill-coupling . . . . .	B. S. Porter . . . . .	170,491	Nov. 30, 1875	1163	367	8	940
Thill-coupling . . . . .	T. J. Quick . . . . .	169,582	Nov. 2, 1875	243	80	8	767
Thill-coupling . . . . .	W. L. Rayment . . . . .	170,113	Nov. 16, 1875	780	248	8	852
Thill-coupling . . . . .	C. Robinson . . . . .	161,826	Apr. 6, 1875	208	70	7	598
Thill-coupling . . . . .	J. S. Smith . . . . .	162,202	Apr. 20, 1875	507	166	7	664
Thill-coupling . . . . .	E. Soper . . . . .	159,615	Feb. 9, 1875	355	117	7	241
Thill-coupling . . . . .	S. M. Strader . . . . .	160,728	Mar. 9, 1875	434	144	7	419
Thill-coupling . . . . .	D. W. Thomas . . . . .	161,913	Apr. 13, 1875	296	100	7	622
Thill-coupling . . . . .	A. M. Troy . . . . .	158,544	Jan. 5, 1875	167	57	7	32
Thill-coupling . . . . .	H. Tyler . . . . .	159,480	Feb. 2, 1875	227	74	7	216
Thill-coupling . . . . .	J. Walker . . . . .	161,366	Mar. 30, 1875	1063	346	7	526
Thill-coupling . . . . .	B. C. Walter . . . . .	168,303	Sept. 28, 1875	878	281	8	553
Thill-coupling . . . . .	S. J. Wisner . . . . .	163,713	May 25, 1875	945	300	7	901
Thill-coupling . . . . .	G. Wright . . . . .	160,738	Mar. 9, 1875	445	148	7	421
Thill coupling and uncoupling device . . . . .	F. P. Stone . . . . .	158,607	Jan. 12, 1875	242	82	7	58
Thill-coupling clamp . . . . .	L. B. Prindle . . . . .	166,141	July 27, 1875	1002	309	8	183
Thill-coupling jack . . . . .	J. H. Combs . . . . .	161,387	Mar. 30, 1875	1088	352	7	529
Thill coupling, Sleigh . . . . .	C. H. Johnson . . . . .	163,781	May 25, 1875	1002	318	7	909
Thill-loop . . . . .	F. S. Berry and G. F. Alexander . . . . .	162,522	Apr. 27, 1875	889	284	7	712
Thill, Open . . . . .	C. H. Matthiessen . . . . .	170,634	Nov. 30, 1875	1302	411	8	938
Thrasher and huller, Clover . . . . .	G. J. Utendorf . . . . .	171,492	Dec. 28, 1875	827	271 272	8	1084
Thrashing-machine . . . . .	T. Harrison and W. C. Buchanan . . . . .	160,320	Mar. 2, 1875	60	21	7	357
Thrashing-machine . . . . .	A. Johnston . . . . .	164,178	June 8, 1875	321	109 110	7	985
Thrashing-machine band-cntter . . . . .	E. L. Beard . . . . .	163,964	June 1, 1875	103	35	7	945
Thrashing-machine band-cntter . . . . .	P. A. Sommers . . . . .	162,706	Apr. 27, 1875	1059	338	7	733
Thrashing-machine coupling . . . . .	E. Knock . . . . .	163,083	May 11, 1875	340	110	7	799
Thrashing-machine feeder . . . . .	B. Jackson . . . . .	163,076	May 11, 1875	335	109	7	798
Thrashing-machine feeder . . . . .	A. W. Leckhart . . . . .	167,912	Sept. 21, 1875	500	159	8	493
Thrashing-machine stack attachment . . . . .	L. Kittinger and J. K. Kurtz . . . . .	160,204	Feb. 23, 1875	922	303	7	331
Thrashing-machine straw-carrier . . . . .	G. Gentzel . . . . .	162,545	Apr. 27, 1875	909	291	7	714
Thrashing-machine teeth . . . . .	J. W. Waterman . . . . .	168,305	Sept. 28, 1875	879	291	8	554
Thrashing-machines, Band-cntting feeder for . . . . .	D. Frost . . . . .	159,663	Feb. 9, 1875	398	133	7	247
Thrashing-machines, Distributer for feeding-belts of . . . . .	B. Jackson . . . . .	163,077	May 11, 1875	336	109	7	798
Thrashing-machines, Separator-shoe for . . . . .	A. D. Thomas . . . . .	168,939	Oct. 19, 1875	599	198	8	666
Thread, twine, &c., Twister for making . . . . .	J. Sutherland . . . . .	161,453	Mar. 30, 1875	1146	370	7	537
Thread-winding guide . . . . .	E. L. Manchester and J. A. Bolen . . . . .	158,427	Jan. 5, 1875	64	23	7	18
Ticket . . . . .	L. Brush . . . . .	163,732	May 25, 1875	962	305	7	903
Ticket . . . . .	B. Moss . . . . .	170,686	Dec. 7, 1875	30	9	8	954
Ticket . . . . .	J. M. Larin . . . . .	171,429	Dec. 21, 1875	753	243	8	1066
Ticket-case . . . . .	L. J. Blades . . . . .	161,093	Mar. 23, 1875	793	260	7	483
Ticket-case . . . . .	W. H. Crowther . . . . .	165,478	July 13, 1875	349	103	8	63
Ticket-case . . . . .	W. H. Crowther and T. Collins . . . . .	165,479	July 13, 1875	351	103	8	63
Ticket-case . . . . .	D. T. Vine and J. J. Schuler . . . . .	170,133	Nov. 16, 1875	798	253	8	854
Ticket-case . . . . .	I. White . . . . .	167,503	Sept. 7, 1875	190	59	8	433
Ticket-clasp . . . . .	M. Disney . . . . .	169,260	Mar. 2, 1875	6	3	7	350
Ticket-clasp . . . . .	A. Le Roy and W. M. Hunting . . . . .	162,563	Apr. 27, 1875	925	297	7	717
Ticket-clasp . . . . .	M. L. Shattuck . . . . .	157,533	Jan. 5, 1875	159	54	7	31
Ticket, Complex-coupon railway . . . . .	T. Cook . . . . .	166,343	Aug. 3, 1875	144	44	8	220
Ticket, Railway . . . . .	E. R. Cook . . . . .	163,462	May 18, 1875	702	224	7	862
Ticket-reel . . . . .	L. J. Masterson . . . . .	159,943	Feb. 16, 1875	675	224	7	290
Ticket-reel . . . . .	A. Stephenson . . . . .	167,416	Sept. 7, 1875	35	10	8	411
Tide and current wheel, Submerged . . . . .	J. J. Hill . . . . .	170,263	Nov. 23, 1875	943	295	8	881
Tide-power . . . . .	P. Beche . . . . .	163,965	June 1, 1875	104	35	7	945
Tie: . . . . .							
See Axle-clip tie.                      Neck-tie.							
Bag-tie.                                  Railway-tie.							
Bale-tie.                                  Railway-tie.							
Tile . . . . .	C. J. Merrill . . . . .	170,582	Nov. 30, 1875	1250	393	8	931
Tile, Illuminating . . . . .	T. Hyatt . . . . .	165,535	July 20, 1875	698	212	8	128
Tile-machine . . . . .	T. E. Chandler and F. Taylor . . . . .	158,570	Jan. 12, 1875	205	71	7	53
Tile making and laying machine . . . . .	R. Hoffein . . . . .	166,104	July 27, 1875	965	297	8	178
Tile-welding machine . . . . .	C. Diebold . . . . .	161,391	Mar. 30, 1875	1091	354	7	530

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Tiles, Composition for.....	W. G. Monk.....	162, 675	Apr. 27, 1875	1024	.....	7	729
Tiles, Ornamental wood flooring.....	R. Fenn.....	162, 646	Apr. 13, 1875	408	137	7	637
Tiles, Process of manufacturing.....	E. L. Hall.....	159, 093	Jan. 26, 1875	732	.....	7	147
Tiling, Manufacture of.....	F. H. Hall.....	164, 553	June 15, 1875	679	.....	7	1041
Till-lock alarm.....	S. C. Frink.....	169, 632	Nov. 9, 1875	309	99	8	783
Till-lock, Combination.....	G. H. Peacock.....	170, 103	Nov. 16, 1875	776	246	8	851
Tilting chair.....	W. T. Doremus.....	161, 671	Apr. 6, 1875	72	26	7	579
Tilting chair.....	W. Gardner.....	160, 764	Mar. 16, 1875	494	160	7	434
Tilting chair.....	H. S. Hale.....	168, 432	Oct. 5, 1875	145	48	8	586
Tilting chair.....	L. Heywood.....	170, 561	Nov. 30, 1875	1928	357	8	929
Tilting chair.....	S. Hoffman.....	158, 492	Jan. 5, 1875	136	42	7	27
Tilting chair.....	S. Hoffman.....	168, 744	Oct. 11, 1875	413	134	8	631
Tilting chair.....	R. W. Myers.....	158, 388	Jan. 5, 1875	32	11	7	13
Tilting chair.....	R. W. Myers.....	160, 943	Mar. 16, 1875	646	211	7	455
Tilting chair.....	O. F. Spencer.....	160, 624	Mar. 9, 1875	341	115	7	406
Tilting chair.....	J. M. Waters.....	163, 705	May 25, 1875	937	298	7	900
Timber with antiseptic fluid, Device for impregnating.....	J. Hamilton.....	171, 135	Dec. 14, 1875	458	150	8	1018
Timber with antiseptic fluid, Device for impregnating.....	J. Hamilton.....	171, 136	Dec. 14, 1875	459	150	8	1019
Time-check.....	H. Greene.....	165, 817	July 20, 1875	674	207	8	126
Time-check, Watchman's.....	L. Aldridge.....	169, 942	Nov. 16, 1875	628	195	8	831
Time-detector, Watchman's.....	W. Imhaeuser.....	170, 443	Nov. 30, 1875	1119	352	8	914
Time-lock.....	J. Burge.....	166, 255	Aug. 3, 1875	65	20	8	208
Time-lock.....	L. A. Haines.....	170, 553	Nov. 30, 1875	1921	384	8	928
Time-lock.....	P. B. Hennessey.....	170, 558	Nov. 30, 1875	1925	386	8	929
Time-lock.....	D. Moore.....	161, 052	Mar. 23, 1875	749	246	7	478
Time-lock.....	O. E. Pillard.....	166, 632	Aug. 10, 1875	426	132	8	267
Time-lock.....	J. Sargent.....	165, 878	July 20, 1875	735	225	8	135
Time-lock.....	E. Stockwell.....	168, 062	Sept. 21, 1875	644	205	8	513
Time-recording instrument.....	T. Mayhew.....	164, 384	June 15, 1875	529	174	7	1022
Tin from tin-scrap, Removing.....	J. Holliday and H. M. Baker.....	160, 018	Feb. 23, 1875	766	.....	7	309
Tin-plate, Apparatus for decorating.....	A. E. Schmidt and G. J. M. Radbrnch.....	163, 262	May 11, 1875	505	164	7	820
Tin scraps, Process for utilizing.....	H. Frasch.....	171, 276	Dec. 21, 1875	618	.....	8	1048
Tin vessel.....	T. Schmitz.....	169, 046	Oct. 19, 1875	699	230	8	679
Tinman's furnace.....	L. F. Betts.....	169, 673	Nov. 9, 1875	351	111	8	788
Tippet and muff combined.....	J. Engle.....	161, 332	Mar. 30, 1875	1032	336	7	522
Tire.....	H. Thompson.....	170, 786	Dec. 7, 1875	120	39	8	966
Tire-bending machine.....	T. M. and A. F. Stansbury.....	166, 944	Aug. 24, 1875	748	232	8	331
Tire for vehicle-wheels, Rubber.....	J. A. Greene.....	169, 100	Oct. 26, 1875	772	251	8	696
Tire-heating apparatus.....	S. G. Reed.....	158, 522	Jan. 5, 1875	150	51	7	30
Tire-heating device.....	J. Harris, jr.....	159, 820	Feb. 16, 1875	563	187	7	274
Tire-heating device, Wagon.....	S. B. Hopkins.....	163, 592	May 25, 1875	844	266	7	888
Tire-setter.....	D. Squier.....	161, 894	Apr. 6, 1875	215	72	7	599
Tire-setting machine.....	I. H. Spielman.....	167, 798	Sept. 14, 1875	386	124	8	468
Tire-shrinker.....	D. Stratton.....	160, 729	Mar. 9, 1875	435	144	7	419
Tire-shrinking machine.....	J. D. Hobbs.....	167, 835	Sept. 21, 1875	434	138	8	483
Tire-shrinking machine.....	H. W. Roland.....	169, 042	Oct. 19, 1875	694	229	8	678
Tire-tightener.....	J. T. Hall.....	162, 232	Apr. 20, 1875	596	195	7	668
Tire-tightener.....	H. A. R. Horton and A. P. Hayes.....	166, 105	July 27, 1875	967	297	8	178
Tire-tightener.....	W. O. Johnson.....	169, 814	Nov. 9, 1875	497	156	8	807
Tire-tightener.....	J. and C. M. Leshner.....	161, 692	Apr. 6, 1875	89	31	7	582
Tire-tightener.....	J. W. Marks.....	169, 014	Oct. 19, 1875	667	219	8	674
Tire-tightener.....	S. W. McOmber.....	169, 017	Oct. 19, 1875	669	220	8	675
Tire-tightener.....	E. I. Moore.....	170, 583	Nov. 30, 1875	1250	394	8	932
Tire-tightener.....	H. B. Robbins.....	159, 219	Jan. 26, 1875	847	277	7	163
Tire-tightener.....	W. R. Swarthout.....	168, 806	Oct. 11, 1875	465	152	8	638
Tire-tightening machine.....	J. Champlin.....	167, 303	Aug. 31, 1875	1099	346	8	387
Tire-upsetter.....	G. D. Jacoby.....	171, 225	Dec. 21, 1875	571	187	8	1041
Tire-upsetter.....	C. J. Keimold and N. Stoddard.....	159, 708	Feb. 9, 1875	440	147	7	253
Tire-upsetter.....	M. Shou.....	170, 688	Dec. 7, 1875	32	10	8	955
Tire-upsetting machine.....	W. Holdsworth.....	169, 265	Oct. 26, 1875	919	298	8	717
Tire-upsetting machine.....	J. H. Mertz.....	167, 922	Sept. 21, 1875	506	161	8	494
Tire-upsetting machine.....	M. G. Schenck.....	165, 261	July 6, 1875	209	32	8	34
Tire-upsetting machine.....	H. S. Vinton.....	161, 844	Apr. 6, 1875	225	75	7	601
Tire, Vehicle-wheel.....	E. Ball.....	168, 211	Sept. 28, 1875	798	254	8	542
Tires, Clip for splicing broken.....	J. W. Hoddinott.....	170, 371	Nov. 23, 1875	1032	324	8	894
Tobacco-boxes, Machine for raising and planishing.....	C. J. Hauck.....	162, 817	May 4, 1875	74	24	7	737
Tobacco-bucket lid.....	I. N. Reynolds.....	168, 417	Oct. 5, 1875	88	30	8	577
Tobacco, Coloring.....	O. Kaab.....	159, 102	Jan. 26, 1875	740	.....	7	148
Tobacco-curer.....	J. C. Millner.....	171, 481	Dec. 28, 1875	819	268	8	1083
Tobacco, Curing.....	J. D. Culp.....	169, 777	Nov. 9, 1875	460	146	8	803
Tobacco-cutter.....	J. L. Adams and J. G. Blondin.....	167, 288	Aug. 31, 1875	1087	341	8	365
Tobacco-cutter.....	W. Smith.....	159, 714	Feb. 9, 1875	446	149	7	254
Tobacco-cutting machine.....	A. A. Hagen.....	168, 636	Oct. 11, 1875	320	104	8	617
Tobacco-drier.....	D. B. Chapin.....	170, 469	Nov. 30, 1875	1143	361	8	918
Tobacco-drier.....	C. Duwell.....	168, 384	Oct. 5, 1875	57	21	8	573
Tobacco-drier.....	H. R. Farmer.....	170, 624	Nov. 30, 1875	1292	408	8	937
Tobacco flavoring and preserving compound.....	G. E. Steny.....	166, 155	July 27, 1875	1016	.....	8	185
Tobacco-hanger.....	T. B. Garr.....	169, 095	Oct. 26, 1875	768	249	8	696
Tobacco-hanger.....	S. C. Sbelton.....	161, 828	Apr. 6, 1875	210	70	7	599
Tobacco in bags, Machine for packing.....	J. B. Farrar.....	169, 533	Nov. 2, 1875	187	63, 64	8	760
Tobacco-knife.....	A. Lane and J. H. Cullom.....	165, 104	June 29, 1875	1206	388	7	1127
Tobacco-knife.....	E. T. Shelton.....	164, 880	June 22, 1875	992	320	7	1091
Tobacco, Machine for handling straight-cut.....	F. S. Kinney.....	164, 186	June 8, 1875	338	112	7	966
Tobacco, Machine for laminating stems in leaf.....	G. P. Unverzagt.....	162, 778	May 4, 1875	40	13	7	752
Tobacco machine, Lump.....	D. W. De Forest.....	161, 331	Mar. 30, 1875	1031	336	7	522
Tobacco-package.....	J. D. Culp.....	162, 353	Apr. 20, 1875	706	230	7	681
Tobacco-packing machine.....	H. Winterwerber.....	160, 045	Feb. 23, 1875	788	260	7	312
Tobacco-pipe bowls, Machine for shaping.....	J. Schneider and L. Uilting.....	162, 698	Apr. 27, 1875	1053	335	7	732
Tobacco-pipe enamel.....	F. G. Merriam.....	169, 827	Nov. 9, 1875	510	160	8	808
Tobacco-pipe, &c., Package for.....	I. Demuth.....	171, 554	Dec. 28, 1875	885	290	8	1092
Tobacco, Plug.....	C. Siedler.....	158, 604	Jan. 12, 1875	239	81	7	58
Tobacco-pouch mouth-piece.....	B. Morahan.....	165, 606	July 13, 1875	461	141	8	81
Tobacco, Treating.....	G. S. Prince.....	162, 767	May 4, 1875	28	.....	7	751
Tobacco, Treating chewing.....	S. V. Appleby.....	160, 138	Feb. 23, 1875	866	.....	7	324

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Invention or discovery.	Name of patentee.	No.	Date.	Monthly volume.		Official Gazette.	
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Toe-calks, Machine for making	L. S. Wright	158, 819	Jan. 19, 1875	452	150	7	102
Toe-weight	L. W. Moses	169, 653	Nov. 9, 1875	332	105	8	786
Toilet-bracket	R. A. Smith	163, 111	May 11, 1875	365	119	7	802
Toilet-case and towel-roller, Combined	D. Miller	170, 288	Nov. 23, 1875	963	301	8	884
Toilet-glass frame	J. Holley	166, 007	July 27, 1875	873	288	8	164
Toilet-pin	A. N. Kellogg	160, 528	Mar. 9, 1875	258	88	7	394
Toilet water and extract, Portable	A. G. Campbell	162, 529	Apr. 27, 1875	896		7	713
Tombstones, Floral ornaments for	A. French	169, 898	Nov. 16, 1875	590	183	8	826
Tongs and cutter, Pipe	C. Feuton	164, 368	June 15, 1875	516	169	7	1020
Tongs, Fire	L. Holmes	162, 068	Apr. 13, 1875	426	142	7	639
Tongs, Pipe	S. H. Dickerson	169, 425	Nov. 2, 1875	96	30	8	748
Tongs, Pipe	J. M. Evarts	167, 085	Aug. 24, 1875	886	276	8	350
Tongs, Pipe	A. McDonald	168, 166	Sept. 28, 1875	761	241	8	537
Tongs, Pipe	G. Selden	162, 291	Sept. 28, 1875	867	278	8	552
Tongs, Pipe	G. Selden	168, 292	Sept. 28, 1875	868	278	8	552
Tongs, Pipe	S. Stone	165, 271	July 6, 1875	117	35	8	25
Tongue attachment, Wagon	W. M. Bernhard	162, 214	Apr. 20, 1875	578	189	7	665
Tongue caps, Blank-bar for wagon	J. Jensen	171, 288	Dec. 21, 1875	629	206	8	1049
Tongue-support	H. H. Briggs	170, 434	Nov. 30, 1875	1111	350	8	913
Tongue-support	J. Jarrell	164, 175	June 8, 1875	319	109	7	985
Tongue-support	J. D. Meals	170, 878	Dec. 7, 1875	196	67	8	977
Tongue-support	L. Sbruben	163, 264	May 11, 1875	507	165	7	820
Tongue-support	E. Spears	161, 713	Apr. 6, 1875	104	37	7	584
Tongue support, Vehicle	G. W. Burnside	164, 969	June 29, 1875	1088	350	7	1111
Tongue support, Wagon	G. E. Clow and P. H. Webster	169, 776	Nov. 9, 1875	460	145	8	802
Tongue supporter, Vehicle	J. McCarter	161, 696	Apr. 6, 1875	91	32	7	582
Tongues, whiffletrees, &c., Spring-bolt fastening for	E. H. Pettit	159, 116	Jan. 26, 1875	754	248	7	149
Tool	T. Hagerty	165, 671	July 20, 1875	544	165	8	107
Tool, Combined	A. Butten	159, 561	Feb. 9, 1875	315	103	7	235
Tool-eyes, Die for forming	J. R. Thomas	166, 568	Aug. 10, 1875	370	114	8	259
Tool, Fitting	T. S. Carroll	160, 159	Feb. 23, 1875	885	292	7	326
Tool-handle	A. Beaudry	164, 070	June 8, 1875	926	79	7	973
Tool-handle	T. J. Close	168, 876	Oct. 19, 1875	538	176	8	657
Tool-handle	G. W. Miller	169, 367	Nov. 2, 1875	47	14	8	741
Tool-handle	W. E. Schwin	167, 273	Aug. 31, 1875	1073	335	8	383
Tool-handle	J. C. Sears	168, 789	Oct. 11, 1875	451	147	8	636
Tool-handle, Boring	H. Staples	160, 725	Mar. 9, 1875	432	144	7	419
Tool-handle fastening	H. Stanley	168, 933	Oct. 19, 1875	595	197	8	665
Tool-holder	W. M. Fisk	161, 942	Apr. 13, 1875	322	108	7	625
Tool-holding device	J. A. B. Williams	170, 694	Dec. 7, 1875	38	11	8	956
Tool, Mechanical	A. G. Rykert	165, 124	June 29, 1875	1221	1	7	1128
Tool-pick	R. H. Russell	171, 176	Dec. 14, 1875	494	163	8	1023
Top, Adjustable	G. S. Boico	167, 733	Sept. 14, 1875	323	103	8	459
Torch	A. Clarke	162, 797	May 4, 1875	59	19	7	754
Torch, Policeman's	J. Benson	162, 738	May 4, 1875	3	1	7	747
	W. H. Clark, J. W. Richardson, J. Foller.	160, 393	Mar. 2, 1875	118	43, 44	7	366
Torch, Vapor-burning	H. Wellington	162, 727	Apr. 27, 1875	1086	344	7	736
Torpedo-boat	H. F. Knapp	158, 501	Jan. 5, 1875	135	45	7	28
Torpedo-envelope machine	D. J. Wolfe and G. A. Lilliendahl	167, 814	Sept. 14, 1875	403	129	8	471
Torpedo-filling machine	D. J. Wolfe and G. A. Lilliendahl	159, 995	Feb. 16, 1875	724	241	7	296
Torpedo, Oil-well	W. H. Harper	166, 986	Aug. 24, 1875	790	244	8	336
Torpedo, Oil-well	R. S. Orsburn	166, 627	Aug. 10, 1875	422	130	8	267
Torpedo, Oil-well	J. Taylor	163, 952	June 1, 1875	95	32	7	944
Torsion-spring	R. Dudley	158, 477	Jan. 5, 1875	112	38	7	24
Torsion-spring, Vehicle	D. E. Paris	164, 202	June 8, 1875	341	117	7	988
					225	8	677
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Torsional spring, Vehicle	D. E. Paris	169, 032	Oct. 19, 1875	685			
Torsional spring, Vehicle	C. W. Salades	160, 549	Mar. 9, 1875	276	94	7	397
Towel-rack	J. A. Reynolds	158, 739	Jan. 12, 1875	357	121	7	74
Towel-rack and wash-stand, Combined	R. P. Buttles	158, 401	Jan. 26, 1875	44	16	7	15
Towel-rack, Folding	J. T. Sherwin	161, 560	Mar. 30, 1875	1251	402	7	550
Towel-stand	C. Schermerhorn	163, 334	May 18, 1875	593	190	7	848
Towing boats	G. Burnham	159, 151	Jan. 26, 1875	782	257	7	154
Toy	C. A. Bailey	164, 791	June 22, 1875	901	293	7	1080
Toy	A. E. Hotchkiss	159, 928	Feb. 16, 1875	662	219	7	288
Toy	H. T. Lee	163, 086	May 11, 1875	342	111	7	799
Toy	J. P. Michaels	169, 620	Oct. 19, 1875	672	221	8	675
Toy	G. F. Morse	166, 025	July 27, 1875	889	274	8	167
Toy	J. E. Safford	163, 696	May 25, 1875	930	285	7	899
Toy	J. J. White	168, 819	Oct. 11, 1875	477	156	8	640
Toy	P. B. Fernandez	161, 771	Apr. 6, 1875	155	54	7	591
Toy arrow-shooter	J. H. Wales	160, 369	Mar. 2, 1875	99	36	7	365
Toy, Automatic	R. J. Clay	158, 781	Jan. 19, 1875	415	139	7	98
Toy, Automatic	E. R. Ives and J. W. Pilkington	169, 547	Nov. 2, 1875	207	69	8	763
Toy, Automaton	D. K. Hatfield	160, 187	Feb. 23, 1875	907	299	7	329
Toy, Balancing	F. Markoe	167, 771	Sept. 14, 1875	364	115	8	465
Toy-ball, Bell-metal	J. C. Clark	169, 419	Nov. 2, 1875	91	28	8	747
Toy, Bell	F. Arnold	164, 790	June 22, 1875	991	293	7	1080
Toy-block, Arithmetical	J. C. Smith	167, 030	Aug. 24, 1875	830	259	8	342
Toy bubble-pipe	F. W. Pease	158, 435	Jan. 5, 1875	70	25	7	19
Toy building-block	G. H. Chinnock	168, 229	Sept. 28, 1875	811	257	8	544
Toy building-block	E. U. Kinsey	169, 709	Nov. 9, 1875	390	123	8	794
Toy building-block	L. Schmetzer	171, 533	Dec. 28, 1875	867	284	8	1089
Toy, Cartesian	A. Demuth	163, 851	June 1, 1875	15	5	7	932
Toy cartridge-exploder	T. B. McHarg	159, 107	Jan. 26, 1875	745	215	7	148
Toy chromatope	J. J. W. Robertson	165, 123	June 29, 1875	1220	393	7	1129
Toy chromatope	R. Steel and T. P. McCadden	170, 603	Nov. 30, 1875	1272	400	8	934
Toy confectionery, Machine for making	J. Goucher	158, 934	Jan. 19, 1875	562	186	7	116
Toy cup and ball	C. H. Bass	163, 294	May 18, 1875	553	177	7	843
Toy-dancer	E. C. Barton	162, 994	May 11, 1875	259	83	7	789
Toy-dancer	W. L. Hubbell	159, 325	Feb. 2, 1875	81	27	7	195
Toy, Dancing	B. D. De Forest	171, 216	Dec. 21, 1875	561	185	8	1040
Toy, Electric	W. J. Decker	164, 723	June 22, 1875	845	274	7	1072

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Toy figure, Articulated	G. H. Chinnoek	168, 230	Sept. 28, 1875	812	258	8	544
Toy fire-arm	E. T. Starr	160, 965	Mar. 16, 1875	605	217	7	457
Toy furniture	E. P. Woods	161, 083	Mar. 23, 1875	778	256	7	481
Toy gun	B. De Long	159, 502	Feb. 9, 1875	259	84	7	228
Toy gun	W. H. Martin	163, 673	May 25, 1875	911	290	7	897
Toy gun	J. B. McHarg	163, 623	May 11, 1875	283	92	7	792
Toy gun	C. A. Pilinsky	171, 316	Dec. 21, 1875	650	213	8	1052
Toy gun	S. J. Shaw and H. E. Smith	162, 110	Apr. 13, 1875	466	154	7	644
Toy gun	W. Wiedemann and L. Lindsey	159, 003	Jan. 19, 1875	628	208	7	125
Toy gun and horn	L. Duvall	169, 427	Nov. 2, 1875	98	30	8	748
Toy gymnast	W. L. Hubbell	161, 963	Apr. 13, 1875	339	114	7	628
Toy hoop or trundle	S. D. C. Langley	166, 931	Apr. 24, 1875	753	227	8	329
Toy hoop or trundle	W. W. Wilcox	166, 441	Aug. 3, 1875	243	74	8	233
Toy, Mechanical	H. Mencke	158, 430	Jan. 5, 1875	66	23, 24	7	18
Toy money-box	A. Feigl	166, 978	Aug. 24, 1875	783	241	8	335
Toy money-box	R. Frisbie	164, 083	June 8, 1875	240	82	7	974
Toy money-box	J. Hall	159, 263	Feb. 2, 1875	21	7	7	187
Toy money-box	J. Hall	162, 747	May 4, 1875	11	4	7	748
Toy, Paper	W. H. Backus	160, 994	Mar. 23, 1875	699	230	7	471
Toy pistol	T. J. Carroll	170, 662	Dec. 7, 1875	8	3	8	952
Toy pistol	T. Case	161, 326	Mar. 30, 1875	1028	334	7	521
Toy pistol	R. W. Churchill	164, 521	June 15, 1875	651	211	7	1037
Toy pistol	G. W. Eddy	170, 439	Nov. 30, 1875	1116	351	8	914
Toy pistol	A. E. Taylor	162, 258	Apr. 20, 1875	620	202	7	670
Toy pistol, &c	E. Savoral	171, 430	Dec. 21, 1875	753	248	8	1066
Toy spring-gun	O. R. Voorhees	168, 812	Oct. 11, 1875	470	153	8	639
Toy store	E. Durlach	166, 755	Aug. 17, 1875	559	172	8	295
Toy table	G. H. Burke	168, 317	Oct. 5, 1875	3	1	8	565
Toy target	J. Poznauski	169, 580	Nov. 2, 1875	240	78	8	767
Toy torpedoes, Machine for making	T. H. Spear	165, 960	July 27, 1875	827	254	8	158
Toy trundle	W. E. Leonard	160, 021	Feb. 23, 1875	769	254	7	309
Toy trundle	J. F. Robertson	171, 045	Dec. 14, 1875	364	121	8	1006
Toy trundle and bell	W. F. Starr	170, 912	Dec. 7, 1875	227	78	8	981
Toy wagon	F. W. Porter	164, 390	June 15, 1875	534	175	7	1022
Toy watch	P. Bonfils	162, 020	Apr. 13, 1875	383	128	7	633
Toy watches and chains, Manufacture of sugar	G. Arend	168, 443	Oct. 5, 1875	108	37	8	581
Toy whistle	H. B. King	167, 672	Sept. 14, 1875	270	84	8	451
Toy wind-wheel	W. G. Fischer	158, 694	Jan. 12, 1875	319	108	7	69
Toy wind-wheel	J. Jamouneau	160, 019	Feb. 23, 1875	767	253	7	309
Trace-carrier	G. Thornton	168, 856	Oct. 19, 1875	522	171	8	654
Trace-carrier	W. H. Townsend	166, 322	Aug. 3, 1875	125	39	8	217
Trace-carrier and back-loop, Spring	W. Davis	163, 641	May 25, 1875	888	280	7	894
Trace-carrier, Harness	E. A. Cooper	166, 685	Aug. 17, 1875	495	151	8	286
Trace-coupling	H. G. Brown	169, 888	Nov. 16, 1875	582	180	8	825
Trace-fastener	C. Robinson	163, 532	May 18, 1875	775	246	7	871
Trace-fastener	W. Wells	164, 950	June 29, 1875	1073	345	7	1108
Trace-fastening	J. K. Lake and B. McDevitt	171, 232	Dec. 21, 1875	575	189	8	1042
Track-clearer	A. Blackford and G. McMullen	159, 632	Feb. 9, 1875	365	122	7	243
Track-clearer	J. Domau	169, 241	Oct. 26, 1875	894	291	8	714
Track-clearer	G. P. W. Ray	169, 844	Nov. 9, 1875	528	165	8	810
Track-clearer	S. G. Smith	163, 893	June 1, 1875	48	16	7	937
Track-clearer	C. G. Waterbury	161, 718	Apr. 6, 1875	107	38	7	554
Track-closer, Railway	I. N. Haines	163, 066	May 11, 1875	327	106	7	797
Track-filter	G. W. Hunter	168, 255	Sept. 28, 1875	837	267	8	547
Track-lifting lever	W. H. Hargis	168, 742	Oct. 11, 1875	411	134	8	631
Traction-engine	W. C. Luce	158, 595	Jan. 12, 1875	233	78	7	56
Traction-engine	W. H. Milliken	163, 681	May 25, 1875	917	291	7	898
Traction-engine, Differential gear for	J. B. Annin	162, 955	Oct. 19, 1875	611	203	8	667
Traction-wheel	W. O. M. Berry	168, 866	Oct. 19, 1875	531	174	8	655
Tram staff	S. B. Williams	164, 355	June 8, 1875	492	162	7	1007
Tram-stick	J. R. Beyer	166, 746	Aug. 17, 1875	553	170	8	294
Tramway clip, Rope	E. Olsen	168, 522	Oct. 5, 1875	185	59	8	590
Transit	S. Holton	165, 828	July 20, 1875	690	211	8	127
Transom, Door	J. Berndt	164, 794	June 22, 1875	903	294	7	1080
Transplanter	W. E. Johnson and J. C. Bowman	169, 445	Nov. 2, 1875	112	36	8	750
Transplanting-box	P. Eby	160, 088	Feb. 28, 1875	821	271	7	317
Trap:							
See Air and water trap.	Sewer-trap.						
Animal-trap.	Sewer-inlet trap.						
Bed-bug trap.	Sheet-metal trap.						
Cast lead trap.	Steam-trap.						
Fly-trap.	Steam-pipe trap.						
Fly or insect trap.	Stench-trap.						
Hog-trap.	Waste-pipe trap.						
Moth-trap.	Water-pipe trap.						
Trap and bend	F. Aldee and J. Foley	168, 121	Sept. 28, 1875	718	236	8	530
Traps, Water-supply and vent for	J. H. Morrell	169, 722	Nov. 9, 1875	401	126	8	795
Traveling-bag	W. Roemer	165, 950	July 27, 1875	819	251	8	157
Traveling-bag and chair, Combined	C. Laumonier	168, 402	Oct. 5, 1875	75	26	8	575
Traveling-cau	A. A. Gervis	166, 520	Aug. 10, 1875	331	100	8	253
Trawl-roller	A. L. McDonald	162, 845	May 4, 1875	99	32	8	760
Tray, Beer-glasses, &c	J. Novinsky	169, 188	Oct. 26, 1875	847	276	7	708
Tray, Cigar-box	G. W. Brown	163, 287	May 18, 1875	557	178	7	843
Tray, Cigar-box	H. R. Heyl	163, 313	May 18, 1875	573	183	7	845
Treadle	S. Elliott	164, 437	June 15, 1875	582	189	7	1028
Treadle	G. F. Letz and A. T. Dnever	163, 322	May 18, 1875	580	186	7	846
Treadle	S. W. Wardwell, Jr	163, 284	May 11, 1875	528	171	7	823
Treadle, Foot	D. E. Lillis	165, 007	June 29, 1875	1119	361	7	1115
Treadle, Machinery	A. N. Hagerty	169, 692	Nov. 9, 1875	375	117	8	791
Treadles, Clutch-mechanism for operating	A. W. Cram	162, 035	Apr. 13, 1875	394	133	7	635
Tree:							
See Boot-tree.	Single-tree.						
Harness-tree.	Whiffletree.						
Saddle-tree.							
Tree-box	E. Russell	165, 455	July 13, 1875	327	96	8	60

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Tree-felling device.....	C. C. Curtis.....	162, 534	Apr. 27, 1875	901	288	7	713
Tree-protector.....	R. F. Williams.....	165, 776	July 20, 1875	632	194	8	120
Trellis.....	T. L. Buell.....	159, 300	Feb. 2, 1875	51	19	7	192
Trellis, Garden.....	I. Goodspeed.....	166, 766	Aug. 17, 1875	569	175	8	297
Trellis, Grape-vine.....	T. S. Seabury.....	170, 025	Nov. 16, 1875	695	219	8	841
Trestle, Builder's.....	M. M. Lucky.....	159, 337	Feb. 2, 1875	90	31	7	196
Trimmer: See Finger-nail trimmer. Lamp-trimmer. Heel-trimmer. Sole-edge trimmer. Hoof-trimmer. Wick-trimmer.							
Trimming.....	J. T. Ross.....	161, 552	Mar. 30, 1875	1244	400	7	549
Trough: See Coal-cart trough. Ice-box drip-trough. Eave-trough.							
Trowel, Plasterer's.....	C. Disston.....	162, 355	Apr. 20, 1875	708	230	7	681
Trowels, Manufacture of.....	J. C. Richardson.....	164, 331	June 8, 1875	463	{ 153 154 }	7	1004
Truck.....	W. A. Estes.....	171, 367	Dec. 21, 1875	695	229	8	1058
Truck.....	J. Viall, J. F. Townsend, and D. W. Hill.	171, 451	Dec. 21, 1875	770	254	8	1068
Truck and stand, Brick.....	W. E. Gard.....	158, 583	Jan. 12, 1875	220	75	7	55
Truck, Baggage.....	T. W. Porter.....	102, 190	Apr. 20, 1875	555	182	7	602
Truck, Brick-yard.....	E. Noonan.....	163, 393	May 18, 1875	645	206	7	855
Truck, Car.....	J. A. Anderson.....	158, 563	Jan. 12, 1875	202	69	7	53
Truck, Car.....	R. Bañolas.....	167, 294	Aug. 31, 1875	1092	343	8	386
Truck, Car.....	J. M. Brosius.....	159, 385	Feb. 2, 1875	128	45	7	202
Truck, Car.....	C. H. Cox.....	167, 307	Aug. 31, 1875	1102	347	8	338
Truck, Car.....	C. W. Mansfield.....	164, 651	June 22, 1875	777	254	7	1063
Truck, Car.....	R. McNulty.....	167, 405	Sept. 7, 1875	24	7	8	410
Truck, Car.....	R. McNulty.....	167, 406	Sept. 7, 1875	24	7	8	410
Truck, Car.....	W. Swartbout.....	161, 989	Apr. 13, 1875	359	121	7	630
Truck, Car.....	R. C. Wright.....	159, 625	Feb. 9, 1875	361	120	7	242
Truck for carrying rails, axles, &c.....	C. W. Carter.....	167, 222	Aug. 31, 1875	1032	320	8	377
Truck for moving rails, &c.....	C. W. Carter.....	167, 221	Aug. 31, 1875	1031	320	8	377
Truck for street-railway cars.....	H. C. Bull.....	153, 070	Jan. 26, 1875	711	234	7	144
Truck, Hand.....	N. Adams.....	169, 883	Nov. 10, 1875	578	179	8	825
Truck, Hand.....	H. H. Baltzly.....	167, 151	Aug. 31, 1875	970	{ 301 302 }	8	369
Truck, Hand.....	J. Biggerstaff.....	169, 617	Nov. 9, 1875	292	94	8	781
Truck, Hand.....	P. Lugenbell.....	169, 559	Nov. 2, 1875	219	72	8	764
Truck, Hand.....	H. Parker.....	161, 436	Mar. 30, 1875	1131	365	7	514
Truck, Hand.....	B. L. Pratt.....	166, 140	July 27, 1875	1002	308	8	183
Truck, Hand.....	H. M. Underwood.....	158, 610	Jan. 12, 1875	243	82	7	58
Truck, Hook and ladder.....	J. A. Kley and V. H. Higgins.....	166, 112	July 27, 1875	972	{ 290 300 }	8	179
Truck, Railway-car.....	A. Gilman.....	160, 821	Mar. 16, 1875	544	176	7	441
Truck, Railway-car.....	J. Turner.....	158, 760	Jan. 12, 1875	372	127	7	76
Trucks, Guide-wheel for car.....	T. H. Lane.....	163, 215	May 11, 1875	460	149	7	815
Trunk.....	J. A. House.....	171, 618	Dec. 28, 1875	961	311	8	1102
Trunk.....	J. W. Krepps.....	167, 343	Aug. 31, 1875	1153	357	8	392
Trunk.....	A. V. Romadka.....	167, 024	Aug. 24, 1875	626	257	8	342
Trunk.....	A. V. Romadka.....	169, 296	Oct. 26, 1875	948	307	8	721
Trunk.....	H. Vogler.....	168, 544	Oct. 5, 1875	208	68	8	593
Trunk-corner clamp.....	W. B. Gould.....	171, 374	Dec. 21, 1875	700	231	8	1059
Trunk-fastener.....	A. Frankel.....	159, 085	Jan. 26, 1875	725	240	7	146
Trunk, &c., fastener.....	J. Hall.....	165, 820	July 20, 1875	683	208	8	126
Trunk-fastener.....	A. V. Romadka.....	163, 028	May 11, 1875	292	94	7	793
Trunk-fastening.....	R. Hilton.....	168, 566	Oct. 11, 1875	251	82	8	607
Trunk-fastening.....	J. F. Simpson.....	168, 677	Oct. 11, 1875	351	115	8	622
Trunk-fastening.....	I. W. Valance.....	161, 914	Apr. 13, 1875	297	100	7	622
Trunk-lock hasp.....	F. W. Mix.....	163, 230	May 11, 1875	475	154	7	816
Trunk spring-buffer.....	E. N. Geer.....	163, 863	June 1, 1875	24	8	7	934
Trunk-stay.....	H. L. Andrews.....	164, 124	June 8, 1875	274	93	7	979
Trunk-stay.....	M. A. Waas.....	167, 809	Sept. 14, 1875	399	128	8	470
Trunk-strap.....	G. E. Albee.....	166, 058	July 27, 1875	918	233	8	171
Trunk, Traveling.....	W. D. Coit.....	159, 248	Feb. 2, 1875	7	2	7	185
Truss.....	S. Ayres.....	168, 957	Oct. 19, 1875	613	203	8	668
Truss.....	S. M. Bayard.....	170, 466	Nov. 30, 1875	1140	359	8	917
Truss.....	H. Becker.....	167, 818	Sept. 21, 1875	419	133	8	481
Truss.....	J. N. Bell.....	167, 977	Sept. 21, 1875	546	176	8	501
Truss.....	S. L. Hockert.....	168, 492	Oct. 5, 1875	154	51	8	587
Truss.....	H. Howe.....	161, 233	Mar. 23, 1875	921	301	7	500
Truss.....	J. G. Jado.....	166, 529	Aug. 10, 1875	337	103	8	254
Truss.....	H. A. Kimball.....	170, 273	Nov. 23, 1875	951	297	8	882
Truss.....	D. King.....	161, 686	Apr. 6, 1875	84	29	7	581
Truss.....	L. T. Lubin.....	168, 264	Sept. 28, 1875	844	269	8	549
Truss.....	F. Norris and C. E. Sweet.....	169, 833	Nov. 29, 1875	515	161	8	809
Truss.....	F. G. Otto.....	170, 106	Nov. 16, 1875	775	245	8	851
Truss.....	J. L. Rowe.....	161, 555	Mar. 30, 1875	1246	401	7	550
Truss.....	M. Tarley.....	165, 133	June 29, 1875	1227	395	7	1130
Truss.....	J. M. Zirkle.....	162, 990	May 4, 1875	241	77	7	779
Truss-pad.....	I. N. Foote.....	171, 473	Dec. 28, 1875	808	266	8	1082
Tub: See Bath-tub. Butter-tub.							
Tube: See Boiler-tube. Sheet-metal tube. Iron tube. Smoking-tube. Metallic tube. Soldering-tube. Paper tube. Speaking tube. Radiator-tube. Steam-boiler fire-tube. Railway, post, &c., tube.							
Tube, &c., bending machine.....	M. McWilliams.....	171, 402	Dec. 21, 1875	731	240	8	1062
Tube-cleaner.....	J. Williams.....	168, 072	Sept. 21, 1875	634	208	8	515
Tube-expander.....	P. Fitzgibbons.....	163, 320	July 6, 1875	163	49	8	31

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Tube-expander	E. W. Flagg	166, 925	Aug. 24, 1875	729	226	8	328
Tube-heating furnace	W. L. McNair	166, 399	Aug. 3, 1875	202	60	8	227
Tube joint and coupling	G. Matheson	171, 234	Dec. 21, 1875	578	190	8	1042
Tube-skelps into and through furnaces, Device for pushing.	G. Matheson	169, 460	Nov. 2, 1875	125	40	8	752
Tube straightening and finishing roll	G. Matheson	160, 024	Feb. 23, 1875	771	{ 254 255 }	7	310
Tubing, Device for drawing and welding	G. Matheson	164, 011	June 1, 1875	144	51	7	950
Tubing, Device for finishing metallic	H. R. Benwell	170, 806	Dec. 7, 1875	137	45	8	969
Tubing, Machine for making	G. H. M. Muntz	169, 723	Nov. 9, 1875	402	127	7	795
Tubing, Machine for making welded	J. Huggins	162, 926	May 4, 1875	170	56, 57	7	769
Tubing, Manufacture of metal	D. M. Somers	167, 796	Sept. 14, 1875	384	123	8	468
Tubing, Manufacture of metal	S. W. Wood	169, 878	Nov. 9, 1875	561	175	8	815
Tubular boiler	I. Barton	169, 225	Oct. 26, 1875	821	285	8	712
Tubular boiler, Upright	N. C. Heaton	171, 017	Dec. 14, 1875	343	114	8	1003
Tuck-creaser	H. C. Goodrich	162, 227	Apr. 20, 1875	592	194	7	667
Tuck-marker	R. G. Bush	170, 154	Nov. 23, 1875	845	264	8	866
Tuck-marker	H. C. Goodrich	162, 225	Apr. 20, 1875	590	193	7	667
Tuck-marker	H. C. Goodrich	162, 226	Apr. 20, 1875	591	194	7	667
Tug, Harness	B. S. Leouard	170, 382	Nov. 23, 1875	1045	328	8	895
Tug-slide	D. W. Leeka	167, 344	Aug. 31, 1875	1136	357	8	392
Tumbling-rod cover	J. B. Hutchinson	169, 706	Nov. 9, 1875	388	122	8	792
Tunnel	O. B. Dowd	168, 146	Sept. 28, 1875	743	234	8	534
Tunneling-machine	O. B. Dowd	167, 442	Sept. 7, 1875	56	17	8	414
Turbine wheel	T. H. Clark	169, 148	Oct. 26, 1875	814	264	8	702
Turbine wheels, Casting	G. H. Jones	165, 237	July 6, 1875	87	26	8	21
Turkish and vapor bath, Combined	H. S. Firman	160, 412	Mar. 2, 1875	138	49	7	368
Turn-buckle	G. H. Spencer	161, 832	Apr. 6, 1875	213	71	7	599
Turn-buckles, Manufacture of	M. Merrill	166, 286	Aug. 3, 1875	94	29	8	212
Turn-table	S. M. Carpenter	162, 741	May 4, 1875	6	3	7	747
Turn-table	H. F. G. S., and A. Snyder	163, 033	May 11, 1875	297	96	7	793
Turning irregular forms, Machine for	B. H. Conner	158, 629	Jan. 12, 1875	259	88	7	61
Tar-pentane-pan	W. W. Clements	161, 754	Apr. 6, 1875	142	49	7	589
Tuyere	F. Bolender	169, 947	Nov. 16, 1875	633	197	8	832
Tuyere	H. J. Chandler	170, 234	Nov. 23, 1875	917	285	8	877
Tuyere	F. Kreiu and H. Franck	163, 211	May 11, 1875	457	148	7	814
Tuyere	F. H. Lloyd	166, 617	Aug. 10, 1875	412	{ 127 128 }	8	266
Tuyere, Blacksmith's	P. H. Standish	170, 313	Nov. 23, 1875	985	308	8	887
Tuyeres, Machine for making	V. R. Taylor	161, 993	Apr. 13, 1875	362	122	7	631
Twyer	E. J. Mildren	167, 850	Sept. 21, 1875	448	142	8	485
Twine-cutter	C. P. Ellis	159, 168	Jan. 26, 1875	796	261	7	155
Twine-cutter, letter-opener, and stamp-moistener, Combined	J. Eitel	170, 719	Dec. 7, 1875	60	18	8	958
Twine-holder	J. Hill	161, 683	Apr. 6, 1875	82	29	7	581
Twist-drill-making machine	L. Weaver and T. Decker	164, 115	June 8, 1875	267	91	7	978
Twist-drills, Manufacturing	C. B. Hunt	167, 766	Sept. 14, 1875	360	114	8	464
Twisting-machine	J. Capstack	171, 548	Dec. 28, 1875	881	288	8	1092
Type	A. M. Howard	166, 205	Aug. 3, 1875	20	7	8	202
Type-case, Printer's	L. A. Martin	162, 084	Apr. 13, 1875	438	146	7	640
Type casting and setting machine	C. S. Westcott	169, 215	Oct. 26, 1875	866	{ 282 283 284 285 }	8	710
Type casting and setting machine	C. S. Westcott	169, 216	Oct. 26, 1875	869	{ 282 283 284 285 }	8	711
Type-casting matrices, Making	G. Greene	160, 423	Mar. 2, 1875	148	52	7	370
Type-machine	A. M. Howard	169, 701	Nov. 9, 1875	384	120	8	793
Type-setting machine	R. T. P. Allen	167, 726	Sept. 14, 1875	316	101	8	458
Type-setting machine	J. Hooker	170, 372	Nov. 23, 1875	1032	{ 324 325 }	8	894
Type-setting machine	A. Millar	168, 044	Sept. 21, 1875	617	198	8	510
Type-setting machine	W. D. C. Pattysen	166, 549	Aug. 10, 1875	352	{ 108 109 }	8	257
Type-setting machine	A. C. Richards	164, 037	June 1, 1875	171	60, 61	7	954
Type-setting machine	A. C. Richards	170, 593	Nov. 30, 1875	1263	{ 397 398 }	8	933
Type-setting machine	D. B. Thompson	168, 591	Oct. 11, 1875	275	89	8	610
Type-wheel	G. H. Morgan	171, 408	Dec. 21, 1875	736	{ 241 242 }	8	1063
Type-writers, Scale for	W. C. Johnson	166, 465	Aug. 10, 1875	286	85	8	247
Type-writing machine	M. Alisoff	169, 757	Nov. 9, 1875	440	{ 139 140 }	8	800
Type-writing machine	R. T. P. Allen	171, 335	Dec. 21, 1875	666	220	8	1054
Type-writing machine	W. H. Case	170, 233	Nov. 23, 1875	916	285	8	877
Type-writing machine	L. S. Randall	170, 239	Nov. 23, 1875	922	287	8	878
Type-writing machine	P. Deming	170, 621	Nov. 30, 1875	1289	407	8	937
Type-writing machine	R. M. J. Hansen	168, 898	Oct. 19, 1875	556	182	8	659
Type-writing machines, Frisket for	W. C. Johnson	171, 139	Dec. 14, 1875	462	151	8	1019
U.							
Umbrella	J. J. Eubank	160, 407	Mar. 2, 1875	132	47	7	368
Umbrella	G. W. Francis	166, 980	Aug. 24, 1875	784	242	8	336
Umbrella	G. G. Griswold	165, 093	June 29, 1875	1193	384	7	1125
Umbrella	I. R. Hayes and J. Somerset	162, 917	May 4, 1875	163	53	7	768
Umbrella	W. D. Horton	161, 962	Apr. 13, 1875	338	{ 113 114 }	7	628
Umbrella	H. Martin	160, 214	Feb. 23, 1875	932	306	7	332
Umbrella	H. B. Mitchell	162, 570	Apr. 27, 1875	929	298	7	717
Umbrella	U. G. Steinmetz	158, 994	Jan. 19, 1875	620	206	7	124
Umbrella	W. Tuley	159, 230	Jan. 26, 1875	858	280	7	164
Umbrella	J. G. Widman	166, 439	Aug. 3, 1875	241	74	8	233
Umbrella, Cane	W. E. Engelhardt	168, 628	Oct. 11, 1875	311	101	8	616
Umbrella, Folding	A. M. Alexander	164, 121	June 8, 1875	271	93	7	979
Umbrella, Folding	U. G. Steinmetz	163, 821	May 25, 1875	1036	328	7	914
Umbrella handle	E. Layman	160, 603	Mar. 9, 1875	324	109	7	404

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Umbrella-handle .....	H. G. Mackinney .....	165, 106	June 29, 1875	1207	388	7	1127
Umbrella-handle .....	L. Schneider .....	164, 220	June 8, 1875	355	132	7	990
Umbrella, parasol, &c., handle .....	G. W. Tucker .....	160, 627	Mar. 9, 1875	343	116	7	407
Umbrella-rib .....	H. Winter .....	159, 624	Feb. 9, 1875	360	120	7	242
Umbrella-rib-tip holder .....	A. S. Hubble .....	161, 791	Apr. 6, 1875	171	59	7	594
Umbrella-ribs, Method of softening .....	J. McAliffie .....	160, 110	Feb. 23, 1875	843	277	7	320
Umbrella-runner .....	G. E. Bringham .....	163, 146	May 11, 1875	396	128	7	806
Umbrella-runner .....	J. M. Burkert .....	169, 084	Oct. 26, 1875	754	246	8	694
Umbrella-runner .....	H. S. Frost .....	168, 892	Oct. 19, 1875	551	180	8	659
Umbrella-stand .....	W. H. Hovey .....	164, 362	June 8, 1875	439	145	7	1001
Umbrella-stand .....	L. E. Ladd .....	160, 339	Mar. 2, 1875	75	26	7	359
Umbrella-stand .....	C. A. Lawrence .....	171, 521	Dec. 28, 1875	858	280	8	1088
Umbrella-support .....	R. J. Welles .....	162, 726	Apr. 27, 1875	1066	344	7	736
Umbrella-support, Vehicle .....	A. Clarke .....	159, 795	Feb. 16, 1875	543	189	7	272
Umbrella-support, Vehicle .....	A. J. Hood .....	162, 553	Apr. 27, 1875	915	293	7	715
Umbrella-tip cup .....	F. S. Brown .....	167, 429	Sept. 7, 1875	47	14	8	412
Umbrella-tip cup .....	H. Winter .....	171, 076	Dec. 14, 1875	398	132	8	1011
Umbrella-tip retainer .....	V. Montalbetti .....	159, 438	Feb. 2, 1875	178	61	7	269
Umbrella-tips, Casting .....	A. Ligibel .....	166, 282	Aug. 3, 1875	91	28	8	212
Umbrella-top, Carriage .....	L. P. Tibbals .....	169, 569	Nov. 2, 1875	260	84	8	769
Universal joint .....	R. T. Smith .....	163, 338	May 18, 1875	597	191	7	849
Universal joint and clamp .....	T. J. Carrick .....	167, 603	Sept. 14, 1875	212	66	8	443
Upholstering apparatus .....	C. F. A. Siercks .....	162, 501	Apr. 27, 1875	874	279	7	710
Upholstering, Process for preparing vegetable fiber for .....	J. S. Cutter .....	171, 357	Dec. 21, 1875	687	226	8	1057
Upsetting metallic bars and rods, Machine for .....	E. Kaylor .....	164, 459	June 15, 1875	602	195	7	1031
Uterine supporter .....	G. Bennett and F. E. Parsons .....	158, 891	Jan. 19, 1875	518	173	7	111
Uterine supporter .....	J. S. Shannon .....	167, 199	Aug. 31, 1875	1012	315	8	374
V.							
Valise, &c., corner cap .....	G. Crouch .....	160, 168	Feb. 23, 1875	693	294	7	327
Valise-handle attachment .....	G. O. Monroe .....	167, 011	Aug. 24, 1875	817	254	8	340
Valve .....	E. H. Beckwith .....	169, 510	Nov. 2, 1875	169	56	8	758
Valve .....	H. S. Lansdell and J. S. Leung .....	162, 178	Apr. 20, 1875	546	179	7	661
Valve .....	W. Painter .....	168, 775	Oct. 11, 1875	438	142	8	634
Valve .....	W. Painter .....	168, 776	Oct. 11, 1875	439	143	8	635
Valve .....	G. T. Taylor .....	168, 808	Oct. 11, 1875	466	152	8	638
Valve, Air-brake .....	C. H. Perkins .....	163, 242	May 11, 1875	486	158	7	818
Valve and box for air-compressors .....	G. H. Reynolds and J. Miller .....	165, 120	June 29, 1875	1217	392	7	1128
Valve and cut-off, Balanced .....	G. W. Hall .....	171, 125	Dec. 14, 1875	448	147	8	1017
Valve and overflow for baths and basins, Waste .....	W. S. Carr .....	170, 769	Dec. 7, 1875	52	16	8	957
Valve and overflow-pipe, Combined cistern .....	B. McGrann and J. Solis .....	167, 265	Aug. 31, 1875	1067	333	8	382
Valve and valve-gearing, Steam-engine .....	J. A. Prince .....	165, 687	July 20, 1875	553	168	8	109
Valve attachment for steam-cylinders, Automatic air .....	J. N. Lauder .....	169, 452	Nov. 2, 1875	117	37	8	751
Valve, Automatic relief .....	L. D. Shaw .....	159, 045	Jan. 26, 1875	689	227	7	141
Valve, Balanced .....	J. F. Allen .....	167, 865	Sept. 21, 1875	463	146	8	487
Valve, Balanced .....	W. C. Church .....	166, 848	Aug. 17, 1875	638	199	8	307
Valve, Balanced .....	J. A. Hutchison .....	160, 327	Mar. 2, 1875	64	23	7	358
Valve, Balanced .....	G. Mossop .....	167, 462	Sept. 7, 1875	72	22	8	416
Valve, Balanced and cut-off .....	J. W. Thompson .....	162, 714	Apr. 27, 1875	1068	340	7	734
Valve box, Engine .....	H. W. Adams .....	170, 149	Nov. 23, 1875	840	263	8	867
Valve, Check .....	W. H. H. Bowers .....	160, 869	Mar. 16, 1875	581	189	7	446
Valve, Check .....	H. G. Johnson .....	167, 255	Aug. 31, 1875	1060	330	8	381
Valve, Combined globe and check .....	I. W. Brown .....	161, 002	Mar. 23, 1875	705	233	7	472
Valve, Combined steam and cut-off .....	A. J. L. Loretz .....	169, 911	Nov. 16, 1875	600	187	8	828
Valve, Compound-engine .....	S. B. Greacen .....	161, 779	Apr. 6, 1875	161	56	7	592
Valve, Compound-engine .....	W. Wright .....	162, 513	Apr. 27, 1875	883	282	7	711
Valve, Cylinder relief .....	E. Walters .....	159, 483	Feb. 2, 1875	229	74	7	216
Valve, Cylinder relief .....	W. Westwater .....	170, 974	Dec. 14, 1875	307	102	8	999
Valve, Engine .....	J. Bulger, jr .....	159, 388	Feb. 2, 1875	130	45	7	202
Valve, Engine .....	G. M. Githens .....	161, 025	Mar. 23, 1875	726	239	7	475
Valve for air and steam brake cylinders, Relief .....	L. P. Rider and W. H. Shillito .....	160, 715	Mar. 9, 1875	422	140	7	418
Valve for air-compressors, Check .....	E. S. Winchester .....	161, 999	Apr. 13, 1875	366	123	7	631
Valve for dip-pipes, Rotary .....	W. Farmer .....	167, 606	Sept. 14, 1875	214	67	8	443
Valve for gas-machines, Automatic check .....	T. Van Kannel and L. D. Towsley .....	169, 746	Nov. 9, 1875	430	136	8	798
Valve for gas-machines, Automatic mixing .....	L. D. Towsley .....	165, 188	July 6, 1875	47	14	8	15
Valve for gas-purifiers, Center .....	R. Briggs .....	163, 569	May 25, 1875	821	260	7	885
Valve for ships, Bilge-water .....	J. W. Hughes .....	166, 526	Aug. 10, 1875	334	102	8	254
Valve for street water-mains .....	J. Bird .....	160, 640	Mar. 9, 1875	354	119	7	409
Valve for water-pipes, Vacuum relief .....	P. Hinkle .....	161, 121	Mar. 23, 1875	819	268	7	486
Valve, Gate .....	E. Russell .....	166, 032	July 27, 1875	894	276	8	168
Valve-gear .....	F. H. Ball .....	161, 195	Mar. 23, 1875	880	289	7	495
Valve-gear .....	H. J. Behrens .....	168, 215	Sept. 28, 1875	800	255	8	542
Valve-gear .....	W. L. Newsham .....	164, 865	June 22, 1875	977	316	7	1089
Valve-gear .....	G. E. Tower .....	165, 186	July 6, 1875	43	13	8	15
Valve-gear .....	F. Wauncock and H. Koepfner .....	164, 618	June 15, 1875	733	239	7	1049
Valve-gear, Reversible .....	N. E. Nash .....	165, 682	July 20, 1875	548	167	8	108
Valve-gear, Steam-engine .....	C. A. Amerman .....	164, 123	June 8, 1875	273	93	7	979
Valve-gear, Steam-engine .....	C. H. Breed .....	171, 500	Dec. 28, 1875	840	275	8	1086
Valve-gear, Steam-engine .....	J. L. Hewes .....	164, 736	June 22, 1875	856	278	7	1074
Valve-gear, Steam-engine .....	J. A. Hutchison and J. W. Govier .....	164, 456	June 15, 1875	598	194	7	1030
Valve-gear, Steam-engine .....	H. E. Marchand .....	163, 090	May 11, 1875	346	113	7	800
Valve-gear, Steam-engine .....	G. H. Reynolds .....	162, 101	Apr. 13, 1875	453	151	7	642
Valve-gear, Steam-engine .....	J. W. Thompson .....	162, 715	Apr. 27, 1875	1069	349	7	734
Valve-gear, Steam-engine .....	G. Westinghouse, jr .....	159, 782	Feb. 16, 1875	528	176	7	270
Valve, Globe .....	H. P. Buffon .....	165, 537	July 13, 1875	401	120	8	71
Valve, Globe .....	N. C. Lock .....	169, 217	Nov. 9, 1875	502	158	8	207
Valve, Globe .....	F. Lunkenheimer .....	166, 393	Aug. 3, 1875	195	58	8	826
Valve, Globe .....	J. Moffet .....	167, 010	Aug. 24, 1875	817	253	8	340

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Valve-grinder	L. P. Law	168,262	Sept. 28, 1875	843	269	8	549
Valve, Hydrant	H. James	171,138	Dec. 14, 1875	460	151	8	1019
Valve, Hydraulic-ensbion	C. E. Emery	171,218	Dec. 21, 1875	563	185	8	1040
Valve-indicator	J. S. Wallace	171,071	Dec. 14, 1875	393	130	8	1010
Valve, Lift-pump	F. A. Rubl	167,125	Aug. 24, 1875	921	287	8	355
Valve, Lock-up safety	E. B. Kunkle	162,831	May 4, 1875	86	29	7	758
Valve-movement, Rock-drill	D. Kennedy	163,785	May 25, 1875	1005	319	7	910
Valve, Oscillating balanced	A. W. Eldredge	167,754	Sept. 14, 1875	346	110	8	462
Valve, Oscillating steam	H. P. Jones	163,497	May 18, 1875	741	{ 235 236	7	857
Valve, Plug	T. Shaw	162,773	May 4, 1875	36	11	7	751
Valve, Pneumatic pump	W. B. Chisholm	167,604	Sept. 14, 1875	213	66	8	443
Valve, Power-brake air	G. Westinghouse, jr.	168,359	Oct. 5, 1875	35	13, 14	8	569
Valve, Pump	R. V. and T. B. Bailey	162,598	Apr. 27, 1875	952	306	7	720
Valve, Pump	F. Hubbard and W. A. Hart	170,737	Dec. 7, 1875	76	24	8	960
Valve, Pump	T. Maguire	167,550	Sept. 7, 1875	150	46	8	427
Valve, Pump air	S. Smith and I. S. Collis	162,192	Sept. 28, 1875	781	248	8	540
Valve, Pump and check	A. W. Johnson and H. A. Nettleton	164,663	June 15, 1875	687	223	7	1042
Valve, Pumping engine	W. H. Harrison	168,251	Sept. 28, 1875	834	266	8	547
Valve, Relief	G. H. Clemens	165,791	July 20, 1875	647	199	8	122
Valve, Relief	T. T. Prosser	165,119	June 29, 1875	1216	392	7	1128
Valve, Rotary balanced	C. M. Farrar	166,758	Aug. 17, 1875	562	172	8	296
Valve, Rotary reversing and cut-off	J. C. H. Stub	161,452	Mar. 30, 1875	1145	{ 369 370	7	536
Valve, Safety	H. C. Boll	159,068	Jan. 26, 1875	709	233	7	143
Valve, Safety	G. H. Crosby	159,157	Jan. 26, 1875	787	258	7	154
Valve, Safety	G. H. Crosby	160,167	Feb. 23, 1875	802	294	7	327
Valve, Safety	S. Harrison	169,805	Nov. 9, 1875	490	154	8	806
Valve, Safety	A. Orme	160,790	Mar. 16, 1875	519	167	7	437
Valve, Safety	H. Stevens	162,502	Apr. 27, 1875	875	290	7	710
Valve, Safety	T. Walker	163,618	May 25, 1875	869	273	7	891
Valve, Safety and relief	J. W. Melling	170,757	Dec. 7, 1875	94	30, 31	8	963
Valve-seat lock	A. E. Van Horn, and J. Wide- man	162,500	Apr. 27, 1875	947	304	7	720
Valve seat, Slide	J. Wheelock	159,729	Feb. 9, 1875	458	153	7	256
Valve-seats, Device for refitting	C. P. Hall	170,363	Nov. 23, 1875	1026	322	8	893
Valve-seats, &c., Machine for dressing	N. P. Stevens	167,038	Aug. 24, 1875	835	261	8	343
Valve, Slide	V. Forquenot	161,496	Mar. 30, 1875	1198	384	7	543
Valve, Slide	J. W. Vermillion	167,140	Aug. 24, 1875	936	292	8	357
Valve, Steam	E. Cope and J. R. Maxwell	170,939	Dec. 14, 1875	270	90, 91	8	994
Valve, Steam	J. H. Corey	159,019	Jan. 26, 1875	669	218	7	137
Valve, Steam	E. H. Dewey and C. H. Palmer	161,599	Apr. 6, 1875	10	4	7	570
Valve, Steam	J. J. Grant	160,182	Feb. 23, 1875	902	297	7	329
Valve, Steam	J. Hare	161,616	Apr. 6, 1875	18	7, 8	7	571
Valve, Steam	J. Hare	166,062	July 27, 1875	808	267	8	164
Valve, Steam	J. Johnson	160,914	Mar. 16, 1875	617	202	7	451
Valve, Steam	H. E. Marchand	165,349	July 6, 1875	189	56	8	35
Valve, Steam	H. E. Marchand	165,350	July 6, 1875	190	57	8	35
Valve, Steam	G. McNaughton	159,198	Jan. 26, 1875	826	272	7	160
Valve, Steam and air brake	H. E. Marchand	161,089	May 11, 1875	345	112	7	500
Valve, Steam-boiler safety	A. M. Johnston and S. Gissinger	159,580	Feb. 9, 1875	327	198	7	237
Valve, Steam-engine	G. H. Reynolds	162,690	Apr. 27, 1875	1042	332	7	731
Valve, Steam-engine	K. Schmidt	162,196	Apr. 20, 1875	561	184	7	663
Valve, Steam-engine	G. E. Tower	165,187	July 6, 1875	45	13	8	15
Valve, Steam-engine oscillating	W. Haddock	163,651	May 25, 1875	896	284	7	895
Valve, Steam-engine slide	E. Armstrong	163,437	May 18, 1875	680	217	7	860
Valve, Steam-pumping-engine	D. J. Knowles	171,390	Dec. 21, 1875	720	237	8	1061
Valve, Steam-radiator	W. C. Baker	167,211	Aug. 31, 1875	1023	318	8	376
Valve, Steam-radiator	J. W. Faxon	164,985	June 20, 1875	1100	355	7	1112
Valve, Steam-radiator automatic	J. Elder, jr.	158,692	Jan. 12, 1875	317	107	7	68
Valve, Stop	G. W. Eddy	165,988	July 27, 1875	854	263	8	162
Valve, Stop	G. W. Eddy	166,083	July 27, 1875	943	291	8	174
Valve, Stop	J. O. Morse	165,493	July 13, 1875	361	106	8	65
Valve, Throttle	R. Biester	171,086	Dec. 14, 1875	406	134	8	1012
Valve, Throttle	R. Scheidler and J. H. McNamar	164,219	June 8, 1875	354	121	7	990
Valve, Vent	A. Chabot	163,458	May 18, 1875	698	223	7	862
Valve, Water	A. Chabot	163,457	May 18, 1875	698	223	7	862
Valve, Water-closet	E. O. Brinckerhoff	159,297	Feb. 2, 1875	48	18	7	191
Valve, Water-closet	P. D. Donnelly	167,998	Sept. 21, 1875	566	183	8	503
Valve, Water-closet	J. Farrell	160,313	Mar. 2, 1875	53	19	7	356
Valve, Water-closet	J. P. Hyde	171,514	Dec. 28, 1875	853	278	8	1087
Valve, Water-closet	E. Mills	158,646	Jan. 12, 1875	277	93	7	63
Valve, Water-closet	G. R. Moore	161,977	Apr. 13, 1875	350	117	7	629
Valve, Water-main	R. Barton	168,824	Oct. 19, 1875	495	161	8	651
Valve, Water-tank	J. Hadfield	164,645	June 22, 1875	772	253	7	1063
Valves, Device for operating throttle	P. Hinkle	167,099	Aug. 24, 1875	900	281	8	352
Valves, Operating	J. A. Ayres	163,134	May 11, 1875	385	124	7	805
Vapor-bath, Portable	G. W. Brosius	163,142	Oct. 26, 1875	810	263	8	702
Vapor bath, Portable medicating hot	R. R. Roberts	163,413	May 18, 1875	661	211	7	857
Varnish	J. L. Jenkins and A. W. Richards	171,384	Dec. 21, 1875	711	211	8	1061
Varnish composition	S. W. Mayer, L. Loewenstein, and B. Mayer	169,714	Nov. 9, 1875	395	.....	8	794
Varnisher	M. Zingler	163,041	May 11, 1875	304	.....	7	794
Vat:							
<i>See</i> Cheese-vat.	Tan-vat.						
Vault, Burglar-proof	C. O. Yale	169,938	Nov. 16, 1875	625	194	8	831
Vault-cover	C. H. Gordon	168,982	Oct. 19, 1875	637	211	8	671
Vault-cover	J. K. Ingalls	170,567	Nov. 30, 1875	1233	388	8	930
Vault-cover	J. M. Wilbur	166,572	Aug. 10, 1875	373	115	8	260
Vault-cover	J. M. Wilbur	166,574	Aug. 10, 1875	374	115	8	260
Vault, Grave	W. C. Peckham	171,418	Dec. 21, 1875	743	244	8	1064
Vault-light	J. F. Foley	168,472	Oct. 5, 1875	134	45	8	584
Vault-light	J. M. Wilbur	166,573	Aug. 10, 1875	374	115	8	260
Vegetable-cutter	J. N. Goolsbee	163,765	May 25, 1875	988	313	7	907



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Vegetable-cutter	S. Hanck, jr.	165, 229	July 6, 1875	80	24	8	20
Vegetable-cutter	S. Hanck, jr.	169, 991	Nov. 16, 1875	667	209	8	837
Vegetable-cutter	J. T. Lohr	168, 033	Sept. 21, 1875	605	194	8	509
Vegetable-slicer	E. Monouse	158, 893	Jan. 19, 1875	437	146	7	101
Vegetable-slicer	N. Sweetland	158, 542	Jan. 5, 1875	165	57	7	32
Vegetable-slicer	A. Vuillier	159, 869	Feb. 16, 1875	603	201	7	261
Vegetable-slicer	J. J. Winne and W. H. Kent	161, 849	Apr. 6, 1875	229	77	7	601
Vegetable-washer	J. Brooks	160, 870	Mar. 16, 1875	582	189	7	446
Vegetable-washer	P. P. Roberts	166, 146	July 27, 1875	1008	310	8	184
Vegetables, Machine for sbsolling and digging	T. L. Webster	160, 489	Mar. 2, 1875	210	72	7	370
Vehicle	N. Huret	171, 137	Dec. 14, 1875	460	151	8	1019
Vehicle	C. J. Walser	167, 205	Aug. 31, 1875	1016	316	8	375
Vehicle-axle	E. Ball	168, 208	Sept. 28, 1875	796	253	8	542
Vehicle-axle	G. Beck	169, 226	Oct. 26, 1875	832	287	8	712
Vehicle-axle	S. T. Ganwell	162, 375	Apr. 20, 1875	734	238	7	684
Vehicle-axle	J. McCurdy	158, 855	Jan. 19, 1875	484	162	7	107
Vehicle-axle	C. W. Richardson	169, 845	Nov. 9, 1875	523	165	8	810
Vehicle-bodies, Corner for	S. Acker and N. L. Robinson	164, 703	June 22, 1875	827	269	7	1070
Vehicle-body corner-iron	N. L. Holmes	167, 249	Aug. 31, 1875	1055	328	8	381
Vehicle holster-plate	W. J. Lewis	161, 344	Mar. 30, 1875	1044	340	7	524
Vehicle-brake	W. Fletcher	159, 543	Feb. 9, 1875	304	98	7	233
Vehicle chafing-iron	G. Smith	160, 733	Mar. 16, 1875	521	168	7	437
Vehicle chafing-iron	A. Wright	159, 373	Feb. 2, 1875	118	41	7	200
Vehicle dash frame	M. Seward	171, 434	Dec. 21, 1875	757	249	8	1666
Vehicle-elevator	R. R. Roberts	168, 784	Oct. 11, 1875	448	146	8	636
Vehicle end-gate	F. C. Brooke	166, 495	Aug. 10, 1875	311	93	8	250
Vehicle end-gate	J. Heald	162, 918	May 4, 1875	164	54	7	768
Vehicle end-gates, Rod for	W. J. Lewis	160, 531	Mar. 9, 1875	261	89	7	395
Vehicle-fender	H. M. Curtis	160, 883	Mar. 16, 1875	593	193	7	447
Vehicle-fender	N. Jackson	160, 679	Mar. 9, 1875	386	131	7	413
Vehicle, Hand-propelled	W. T. and G. H. Howard	170, 629	Nov. 30, 1875	1296	409	8	938
Vehicle-hood	W. H. Rowe	165, 125	June 29, 1875	1222	393	7	1129
Vehicle hood-plates, Manufacture of	J. Jensen	171, 287	Dec. 21, 1875	628	205	8	1049
Vehicle-runner, Attachable	I. and W. G. Pettis	169, 116	Oct. 26, 1875	789	255	8	698
Vehicle-runner attachment	J. A. Hyde	159, 327	Feb. 2, 1875	83	28	7	195
Vehicle running-gear	J. Becker, jr	159, 630	Feb. 9, 1875	364	121	7	243
Vehicle running-gear	C. Beblen	169, 616	Nov. 9, 1875	292	94	8	781
Vehicle running-gear	E. Booth	171, 211	Dec. 21, 1875	557	183	8	1039
Vehicle running-gear	J. W. Little	171, 293	Dec. 21, 1875	632	207	8	1049
Vehicle running-gear	C. M. Murch	168, 768	Oct. 11, 1875	432	141	8	634
Vehicle running-gear	J. Stirck	159, 528	Feb. 9, 1875	291	94	7	232
Vehicle-seat	J. Bond	169, 948	Nov. 16, 1875	634	197	8	832
Vehicle-seat	W. H. Clond and D. D. Craig	163, 744	May 25, 1875	973	308	7	905
Vehicle-seat	E. A. Cooper	168, 831	Oct. 19, 1875	500	163	8	651
Vehicle-seat	V. E. Davis	158, 785	Jan. 19, 1875	418	141	7	98
Vehicle-seat	D. Ford	168, 386	Oct. 5, 1875	59	21	8	573
Vehicle-seat	J. H. Franklin	170, 543	Nov. 30, 1875	1212	381	8	937
Vehicle-seat	J. R. Hill	163, 331	July 6, 1875	171	52	8	92
Vehicle-seat	R. Rakestraw	162, 310	Apr. 20, 1875	665	217	7	676
Vehicle seat and body	E. W. Anderson	158, 822	Jan. 19, 1875	454	151	7	103
Vehicle-seat lock	D. Argerbright	163, 436	May 18, 1875	679	217	7	859
Vehicle side bar	J. W. Coe and D. Merritt	159, 302	Feb. 2, 1875	53	20	7	192
Vehicle side spar	E. Chamberlin	167, 067	Aug. 24, 1875	867	270	8	347
Vehicle side spar	B. C. Shaw	167, 028	Aug. 24, 1875	829	258	8	342
Vehicle side spring	D. M. Laue	158, 949	Jan. 19, 1875	575	190	7	118
Vehicle sled-runner	T. W. Porter	161, 985	Apr. 13, 1875	316	120	7	636
Vehicle-spring	C. Bauer	166, 060	July 27, 1875	918	284	8	171
Vehicle-spring	W. Beers	162, 128	Sept. 28, 1875	722	228	8	531
Vehicle-spring	E. Chamberlin	167, 066	Aug. 24, 1875	866	270	8	347
Vehicle-spring	E. Chamberlin	167, 068	Aug. 24, 1875	867	270	8	347
Vehicle-spring	B. J. Corey and E. Neff	169, 524	Nov. 2, 1875	181	60	8	759
Vehicle-spring	F. F. Doland and F. Scherb	165, 218	July 6, 1875	72	21	8	19
Vehicle-spring	S. C. Foster	165, 441	July 13, 1875	312	92	8	58
Vehicle-spring	S. Gilzinger	169, 254	Oct. 26, 1875	908	295	8	716
Vehicle-spring	S. Gilzinger	169, 255	Oct. 26, 1875	909	295	8	716
Vehicle-spring	M. Gluck	167, 892	Sept. 21, 1875	485	153	8	490
Vehicle-spring	G. F. Godley	162, 165	Apr. 20, 1875	534	175	7	660
Vehicle-spring	H. A. Hight	169, 898	Nov. 9, 1875	492	155	8	806
Vehicle-spring	C. Hotz	163, 072	May 11, 1875	331	108	7	798
Vehicle-spring	H. Jeffrey	166, 780	Aug. 17, 1875	581	179	8	298
Vehicle-spring	C. Nielsen	166, 291	Aug. 3, 1875	98	30	8	213
Vehicle-spring	J. M. Pressey	160, 229	Feb. 23, 1875	945	310	7	335
Vehicle-spring	N. Provost	171, 319	Dec. 21, 1875	652	214	8	1052
Vehicle-spring	J. D. Sarven	165, 956	July 27, 1875	823	253	8	158
Vehicle-spring	R. Walker	168, 302	Sept. 28, 1875	877	280	8	553
Vehicle-spring	W. F. Whitney	165, 641	July 13, 1875	499	153	8	86
Vehicle-spring	J. H. Phoenix and J. Curtis	160, 709	Mar. 9, 1875	417	139	7	417
Vehicle-spring	J. Walker	160, 488	Mar. 2, 1875	209	72	7	379
Vehicle spring and side-bar connection	J. W. Gosling	160, 586	Mar. 9, 1875	307	104	7	401
Vehicle-spring shackle	T. T. Pearson	164, 205	June 8, 1875	344	117	7	988
Vehicle-spring side bar	J. Tilton	160, 244	Feb. 23, 1875	958	315	7	337
Vehicle-top	J. F. Heger	166, 775	Aug. 17, 1875	577	177	8	298
Vehicle-top	F. H. Jury	168, 902	Oct. 19, 1875	563	181	8	660
Vehicle-top	J. B. Relyea	167, 022	Aug. 24, 1875	825	257	8	341
Vehicle-top	L. Sawyer	163, 812	May 25, 1875	1029	326	7	913
Vehicle-top	H. W. Warner	166, 165	July 27, 1875	1025	316	8	186
Vehicle-top joint	T. F. Darcy	158, 688	Jan. 12, 1875	314	107	7	68
Vehicle-top support	R. Hunt	166, 610	Aug. 10, 1875	407	125	8	265
Vehicle, Traction	H. H. Chapin	161, 006	Mar. 23, 1875	707	233	7	472
Vehicle-wheel	E. Ball	167, 971	Sept. 21, 1875	542	174	8	500

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Vehicle-wheel	E. Ball	168,209	Sept. 28, 1875	797	233	8	542
Vehicle-wheel	S. L. Bond	165,471	July 13, 1875	344	101	7	62
Vehicle-wheel	J. H. E. Boykin	160,642	Mar. 9, 1875	356	120	8	409
Vehicle-wheel	W. Corris	165,211	July 6, 1875	67	19	7	18
Vehicle-wheel	J. Curtis	162,222	Apr. 20, 1875	585	192	7	666
Vehicle-wheel	F. W. R. Emery	159,251	Feb. 2, 1875	9	3	7	186
Vehicle-wheel	J. B. Fink	158,925	Jan. 19, 1875	554	184	7	115
Vehicle-wheel	S. B. Fuller	159,544	Feb. 9, 1875	304	98	7	233
Vehicle-wheel	J. C. Garretson	165,324	July 27, 1875	795	244	8	88
Vehicle-wheel	F. H. Green	166,272	Aug. 3, 1875	79	25	7	210
Vehicle-wheel	D. Grim	159,818	Feb. 16, 1875	561	186	7	274
Vehicle-wheel	E. Hall	161,953	Apr. 13, 1875	331	111	9	627
Vehicle-wheel	A. J. Hodges	160,268	Mar. 2, 1875	11	5	7	350
Vehicle-wheel	C. Jeantaud	165,587	July 13, 1875	444	135	8	78
Vehicle-wheel	L. P. Larson	161,245	Mar. 23, 1875	932	304	7	501
Vehicle-wheel	G. Leverich	159,940	Feb. 16, 1875	673	223	7	289
Vehicle-wheel	G. Nelson	161,980	Apr. 13, 1875	353	118	8	629
Vehicle-wheel	A. A. Philbrick	162,414	Apr. 20, 1875	770	250	7	689
Vehicle-wheel	E. Shaw	166,151	July 27, 1875	1013	312	8	184
Vehicle-wheel	J. A. Smith	160,240	Feb. 23, 1875	955	311	7	336
Vehicle-wheel	J. M. Stephenson	159,049	Jan. 26, 1875	693	229	7	141
Vehicle-wheel clamp	D. H. Tuxworth	161,997	Apr. 13, 1875	364	123	7	631
Vehicles, Propulsion of	G. B. de Boucherville	158,363	Jan. 5, 1875	13	4	7	10
Vehicles, Spring-bolster for	H. Buck	158,621	Jan. 12, 1875	253	86	7	60
Velocipede	J. J. Baily	161,924	Apr. 13, 1875	308	103	7	624
Velocipede	L. G. Bodet, J. Masse, and W. Webster.	169,774	Nov. 9, 1875	458	145	8	802
Velocipede	W. Bush	164,902	June 29, 1875	1029	332	7	1103
Velocipede	J. A. Crandall	160,575	Mar. 9, 1875	298	101	7	400
Velocipede	E. Crother and M. Bergenon	159,564	Feb. 9, 1875	317	103	7	235
Velocipede	W. Knight	159,584	Feb. 9, 1875	333	109	7	238
Velocipede	G. W. Marble	171,623	Dec. 28, 1875	964	313	8	1103
Velocipede	W. Quinn	159,770	Feb. 16, 1875	516	172	7	269
Velocipede	A. Schmackers	171,432	Dec. 21, 1875	756	248	8	1066
Velocipede	F. S. Seagrave	169,392	Oct. 26, 1875	954	309	8	722
Velocipede, Ice	C. M. Day	165,481	July 13, 1875	353	103	8	64
Veneer-cutting machine	J. B. Annin and J. A. Nutt	169,759	Nov. 9, 1875	446	141	8	801
Veneer-cutting machine	C. T. Fairchild	166,353	Aug. 3, 1875	152	47	8	221
Veneer-cutting machine	G. W. Swan	164,699	June 22, 1875	823	268	7	1069
Veneer grinding and fitting machine, Pearl	J. and G. Hoffmann	168,493	Oct. 5, 1875	155	51	8	587
Veneer pipes, Machine and process for making	R. M. C. Broas	171,347	Dec. 21, 1875	676	223	8	1055
Veneer pipes, Process for making	R. M. C. Broas	171,346	Dec. 21, 1875	675	223	8	1055
Veneering, Preparing wood	C. W. Spur and L. Prang	171,538	Dec. 28, 1875	873	285	8	1090
Vent	E. R. Behlers	170,982	Dec. 14, 1875	315	104	8	1000
Vent and stopple, Can	E. M. Crandall	164,813	June 22, 1875	927	300	7	1083
Vent, Beer	J. M. Spahn	160,847	Mar. 16, 1875	563	183	7	443
Ventilating and heating furnace	J. A. Young	170,615	Nov. 20, 1875	1282	405	8	936
Ventilating apparatus	J. C. Bates	168,804	Oct. 19, 1875	530	173	8	655
Ventilating-cap	L. F. Betts	168,961	Oct. 19, 1875	617	205	8	668
Ventilating churches, houses, &c.	W. Kingham	170,174	Nov. 23, 1875	864	270	8	870
Ventilating halls, &c.	P. Mihan	164,928	June 29, 1875	1055	340	7	1106
Ventilating-louver	G. Hayes	170,852	Dec. 7, 1875	175	60	8	974
Ventilating-register	H. Fritz	165,721	July 20, 1875	583	179	8	113
Ventilating-register, Adjustable	G. W. Rogers	161,442	Mar. 30, 1875	1137	366	7	535
Ventilator:							
See Car-ventilator.	Railway-tunnel ventilator.						
Chimney-ventilator.	Ridge-ventilator.						
Commode-ventilator.	Stove-ventilator.						
Hat-ventilator.	Wall-ventilator.						
Kitchen-ventilator.	Window-ventilator.						
Ventilator	T. W. Bracher	171,345	Dec. 21, 1875	674	223	8	1055
Ventilator	J. L. Faxon	170,836	Dec. 7, 1875	162	55	8	972
Ventilator	P. Mihan	165,245	July 6, 1875	96	28	8	22
Ventilator	A. L. Moyer	171,409	Dec. 21, 1875	737	242	8	1063
Ventilator	H. K. Stevens and O. F. Morse	161,910	Apr. 13, 1875	293	99	7	622
Ventilator-cap	H. A. Gouge	166,984	Aug. 24, 1875	786	243	8	336
Vermiu-destroying composition	J. G. Steele	169,925	Nov. 16, 1875	614	205	8	830
Vermiu-exterminator	V. Schmidt	168,926	Oct. 19, 1875	589	195	8	664
Vermiu, Method of killing	T. S. Church	161,864	Apr. 13, 1875	250	83	7	616
Veroier	A. Young	166,912	Aug. 17, 1875	703	218	8	316
Vessel air-port	J. S. Wilson	164,954	June 29, 1875	1076	346	7	1109
Vessel-fender	F. Wood and C. H. Wentworth	159,535	Feb. 9, 1875	296	96	7	232
Vessel-handles, Attaching	G. W. Hartwell	166,364	Aug. 3, 1875	161	50	8	222
Vessel, Metallic	E. T. Covell	167,504	Sept. 7, 1875	106	33	8	421
Vessels, Apparatus for raising sunken	J. N. Furman	165,226	July 6, 1875	78	23	8	19
Vessels, Calking	J. T. White	170,139	Nov. 16, 1875	804	254	8	855
Vessels, Construction of	J. W. Norcross	163,941	June 1, 1875	86	29	7	943
Vessels, Construction of	T. W. Pratt	162,859	May 4, 1875	114	37	7	762
Vessels, Construction of spindle-shaped	W. L. and T. Winans	161,372	Mar. 30, 1875	1074	348	7	527
Vessels for transferring grain, Elevating	J. J. Safely	162,695	Apr. 27, 1875	1046	314	7	732
Vessels from running on shore, Safety-device for preventing.	E. D. Gird	158,586	Jan. 12, 1875	225	76	7	55
Vessels, &c., Means for raising sunken	H. F. Knapp	160,441	Mar. 2, 1875	164	57	7	372
Vessels, Mechanism for casting lead on	C. E. Kirtland	162,755	May 4, 1875	17	6	7	749
Vessels, Shoal-indicator for	F. Wagner and S. Rumpus	165,897	July 20, 1875	754	231	8	136
Vest	C. R. Plympton	163,246	May 11, 1875	489	159	7	818
Vest, Bricklayer's	J. Moore	160,538	Mar. 9, 1875	268	91	7	396
Vine rake	J. W. Dunn	162,277	Apr. 20, 1875	636	208	7	673
Vinegar-making apparatus	E. Burlingame	167,643	Sept. 14, 1875	246	76	8	447
Vinegar, Reagents for testing	C. Peters	169,727	Nov. 9, 1875	407	129	8	796
Violin	H. W. White	168,820	Oct. 11, 1875	478	156	8	640
Violin chin-rest	C. F. Albert	160,136	Feb. 23, 1875	863	286	7	323
Violin chin-rest	H. W. White	171,541	Dec. 28, 1875	875	286	8	1091
Violin, guitar, &c.	J. Oehlheim	168,665	Oct. 11, 1875	343	112	8	621
Viso	T. L. Baylies	160,505	Mar. 9, 1875	238	82	7	391

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				Spec.	Draw.	Vol.	Page.
Vise.....	A. H. Bradnard.....	169, 516	Nov. 2, 1875	174	58	8	759
Vise.....	E. Caswell.....	170, 344	Nov. 23, 1875	1012	317	8	891
Vise.....	W. Horton.....	162, 069	Apr. 13, 1875	426	142	7	639
Vise.....	C. L. Kingsley.....	161, 241	Mar. 23, 1875	928	303	7	501
Vise.....	E. Parker.....	159, 115	Jan. 26, 1875	753	247	7	149
Vise.....	M. and W. Picken.....	161, 820	Apr. 6, 1875	203	68, 69	7	598
Vise.....	A. O. H. P. Lehorn.....	169, 486	Nov. 2, 1875	148	48	8	755
Vise, Bench.....	C. Burton.....	158, 674	Jan. 12, 1875	301	102	7	66
Vise, Bench.....	G. M. Evans.....	170, 721	Dec. 7, 1875	61	18	8	958
Vise, Bench.....	J. M. Poore.....	161, 984	Apr. 13, 1875	355	119	7	630
Vise, Bench.....	P. Rimbald.....	162, 692	Apr. 27, 1875	1044	333.	7	731
Vise, Bench.....	A. Veilleux.....	166, 828	Aug. 17, 1875	621	193	8	305
Vise, Hand.....	L. L. Fallard.....	166, 553	Aug. 10, 1875	355	110	8	257
Vise, Horseshoe-calking.....	W. Weaver.....	170, 319	Nov. 23, 1875	991	310	8	888
Vise, Pipe and bolt.....	G. W. Millner.....	167, 110	Aug. 24, 1875	909	283	8	353
Voting apparatus.....	H. W. Spratt.....	158, 652	Jan. 12, 1875	282	94, 95	7	63
Vulcanizing apparatus.....	W. J. Birdsall.....	161, 656	Apr. 6, 1875	59	21	7	577
Vulcanizing apparatus.....	J. D. Heiges.....	170, 731	Dec. 7, 1875	72	22	8	960
W.							
Wagon.....	T. Y. Van Cleave.....	161, 302	Mar. 23, 1875	989	323	7	508
Wagon-axle.....	E. Balkema.....	163, 963	June 1, 1875	102	35	7	945
Wagon-axle.....	J. R. Lantz and T. L. Mitchell.....	167, 843	Sept. 21, 1875	440	140	8	484
Wagon-axle and thimble-skein.....	I. L. Anderson.....	160, 502	Mar. 9, 1875	235	81	7	391
Wagon-axes, Gage for shaping.....	D. R. Wiuter.....	163, 430	May 18, 1875	672	215	7	850
Wagon-body.....	C. A. Dewolf.....	170, 159	Nov. 23, 1875	849	266	8	868
Wagon-body.....	C. W. Kinne.....	159, 828	Feb. 16, 1875	569	189	7	275
Wagon-body.....	R. W. McClelland.....	161, 346	Mar. 30, 1875	1046	340	7	524
Wagon-body.....	S. Rowell.....	162, 578	Apr. 27, 1875	936	301	7	718
Wagon-body stay-iron.....	A. A. Livingston.....	159, 033	Jan. 26, 1875	682	224	7	139
Wagon-body std.....	C. Spencer.....	163, 894	June 1, 1875	48	16	7	937
Wagon-bolster.....	L. F. Whitman.....	158, 766	Jan. 12, 1875	379	129	7	77
Wagon-bolt.....	J. W. Hullebeck.....	162, 552	Apr. 27, 1875	915	293	7	715
Wagon-box.....	I. S. Clawson.....	160, 258	Mar. 2, 1875	5	3	7	349
Wagon-box.....	T. Jennings.....	169, 444	Nov. 2, 1875	111	35	8	750
Wagon-box strap.....	J. Scannel.....	164, 218	June 8, 1875	354	121	7	990
Wagon-brake.....	O. T. Baker.....	162, 337	Apr. 20, 1875	689	224	7	679
Wagon-brake.....	O. T. Baker.....	171, 340	Dec. 21, 1875	670	221	8	1054
Wagon-brake.....	W. H. Barrows.....	162, 012	Apr. 13, 1875	376	125	7	633
Wagon-brake.....	A. L. Bartlett.....	170, 220	Nov. 23, 1875	902	282	8	875
Wagon-brake.....	J. C. Carhart.....	162, 623	Apr. 27, 1875	972	312 313	7	723
Wagon-brake.....	H. Decker.....	169, 969	Nov. 16, 1875	647	203	8	834
Wagon-brake.....	D. L. Delibangh.....	164, 153	June 8, 1875	298	102	7	982
Wagon-brake.....	I. N. Downs.....	162, 632	Apr. 27, 1875	979	314	7	724
Wagon-brake.....	G. S. Garth and W. H. Rosser.....	165, 487	July 13, 1875	358	105	8	64
Wagon-brake.....	T. H. Gourley and W. R. Lovelace.....	170, 080	Nov. 16, 1875	752	238	8	848
Wagon-brake.....	R. I. Knapp.....	160, 205	Feb. 23, 1875	923	304	7	331
Wagon-brake.....	W. Lackman.....	165, 592	July 13, 1875	450	136	8	79
Wagon-brake.....	H. Marknd.....	169, 459	Nov. 2, 1875	124	39	8	752
Wagon-brake.....	L. B. Morgan.....	162, 092	Apr. 13, 1875	446	148	7	641
Wagon-brake.....	E. A. Thompson.....	163, 545	May 18, 1875	787	249	7	873
Wagon-brake.....	J. C. Trullinger.....	164, 344	June 8, 1875	476	158	7	1006
Wagon-brake block.....	G. G. Bucklaud.....	163, 046	May 11, 1875	307	99	7	794
Wagon-brake block.....	W. Hendrick.....	161, 034	Mar. 23, 1875	733	241	7	476
Wagon-brake block.....	V. Wietterhold and E. Oak.....	164, 891	June 22, 1875	1000	323	7	1092
Wagon brake, Hay.....	W. Harper.....	163, 653	May 25, 1875	897	284	7	895
Wagon-brake shoe.....	J. Grimste.....	163, 650	May 25, 1875	895	283	7	895
Wagon-coupling.....	R. Bowman.....	162, 611	Apr. 27, 1875	963	309	7	722
Wagon-coupling.....	E. M. Saunders.....	160, 792	Mar. 16, 1875	521	168	7	437
Wagon, Dumping.....	J. Bond.....	168, 555	Oct. 11, 1875	237	78	8	605
Wagon, Dumping.....	W. H. Cooksey.....	169, 961	Nov. 16, 1875	642	200 201	8	833
Wagon, Dumping.....	D. E. Davies.....	169, 153	Oct. 26, 1875	819	266	8	703
Wagon, Dumping.....	P. and J. Heilman, jr.....	167, 531	Sept. 7, 1875	135	41	8	425
Wagon, Dumping.....	W. H. Henkel.....	166, 101	July 27, 1875	962	296	8	177
Wagon, Dumping.....	A. A. Hoch.....	169, 171	Oct. 26, 1875	835	271 272	8	706
Wagon, Dumping.....	M. C. and H. L. Meigs.....	166, 125	July 27, 1875	985	304	8	181
Wagon, Dumping.....	J. Mills.....	171, 156	Dec. 14, 1875	478	156	8	1021
Wagon, Dumping.....	W. P. Patton and C. D. Walters.....	159, 211	Jan. 26, 1875	840	275	7	162
Wagon, Dumping.....	W. M. Thompson.....	169, 060	Oct. 19, 1875	711	235	8	680
Wagon, Dumping.....	T. Weaver.....	167, 715	Sept. 14, 1875	306	97	8	457
Wagon end-gate.....	B. F. Buckley.....	163, 047	May 11, 1875	308	99	7	794
Wagon end-gate.....	S. C. Myers.....	160, 612	Mar. 9, 1875	331	111	7	405
Wagon end-gate.....	J. P. Oatman.....	170, 107	Nov. 16, 1875	776	246	8	851
Wagon-gearing.....	G. C. Seamans.....	165, 347	Oct. 5, 1875	25	10	8	568
Wagon hound and tongue.....	C. F. Whipple.....	161, 648	Apr. 6, 1875	52	19	7	576
Wagon, Ice.....	C. Rauch.....	168, 183	Scept. 28, 1875	773	245	8	539
Wagon, Infant's parlor.....	B. J. Harrison.....	169, 368	Oct. 26, 1875	833	270	8	705
Wagon-jack.....	S. Chard.....	159, 079	Jan. 26, 1875	721	238	7	145
Wagon-jack.....	J. C. Crawford.....	170, 062	Nov. 16, 1875	732	232	8	846
Wagon-jack.....	C. T. Drake.....	166, 689	Aug. 17, 1875	498	152	8	286
Wagon-jack.....	C. Gray.....	170, 548	Nov. 30, 1875	1218	383	8	928
Wagon-jack.....	W. H. Horn.....	162, 554	Apr. 27, 1875	916	294	7	715
Wagon-jack.....	J. Sawyer.....	165, 689	July 20, 1875	555	169	8	109
Wagon-jack.....	B. W. Stanton.....	168, 798	Oct. 11, 1875	458	149	8	637
Wagon-jack.....	J. B. Webster.....	159, 726	Feb. 9, 1875	455	152	7	256
Wagon or sleigh, Dumping.....	J. Pattison.....	165, 609	July 13, 1875	465	142	8	81
Wagon-rack.....	J. Bolt.....	166, 250	Aug. 3, 1875	59	18	8	207
Wagon-rack.....	J. F. Cass.....	165, 789	July 20, 1875	646	198	8	122
Wagon-reach.....	A. B. Wroth.....	168, 313	Sept. 28, 1875	886	283	8	555
Wagon-seat.....	S. B. Conover.....	167, 388	Sept. 7, 1875	8	3	8	408
Wagon-seat.....	S. Gilziuger.....	161, 945	Apr. 13, 1875	325	109	7	626

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Wagon-seat .....	D. W. Hearn and P. Richards .....	168,490	Oct. 5, 1875	152	50	8	587
Wagon-seat .....	W. H. H. Snellbaker .....	160,624	Mar. 9, 1875	340	115	7	406
Wagon-seat fastening .....	C. Dixon .....	161,104	Mar. 23, 1875	803	263	7	484
Wagon, Side-bar .....	J. F. Baroccott .....	169,885	Nov. 16, 1875	581	1-0	8	825
Wagon, Side-bar .....	C. A. Collins .....	159,392	Feb. 2, 1875	134	46	7	203
Wagon, Side-bar .....	M. Donnelly .....	163,853	June 1, 1875	16	5	7	933
Wagon, Side-bar .....	E. Soper .....	161,172	Mar. 23, 1875	862	282	7	492
Wagon-spring .....	L. B. Devendorf .....	167,877	Sept. 21, 1875	473	150	8	489
Wagon-spring .....	M. Feigel .....	167,443	Sept. 7, 1875	58	17	8	414
Wagon-spring .....	A. W. McKown .....	171,401	Dec. 21, 1875	730	230	8	1062
Wagon-spring .....	W. F. Whitney .....	169,323	Oct. 26, 1875	975	316	8	725
Wagon-standard .....	R. W. McClelland .....	161,347	Mar. 30, 1875	1047	341	7	524
Wagon-wheel .....	J. Steiner .....	167,132	Aug. 24, 1875	927	298	8	356
Waist and skirt-supporter, Combined under .....	G. Frost and G. H. Phelps .....	101,851	Apr. 6, 1875	230	77	7	602
Waist, Under .....	G. Frost and G. H. Phelps .....	169,899	Nov. 16, 1875	591	183	8	827
Wall-cooping .....	J. C. Wright .....	160,737	Mar. 9, 1875	444	177	7	420
Wall cramp, Hollow .....	R. Heinvest .....	162,383	Apr. 20, 1875	739	240	7	685
Wall, Hollow brick .....	F. Hainsworth .....	159,320	Feb. 2, 1875	77	26	7	194
Wall-paper exhibitor .....	W. H. Hazard .....	166,005	July 27, 1875	871	268	8	164
Wall-paper, Machine for applying paste to .....	J. Worley .....	160,375	Mar. 2, 1875	103	38	7	363
Wall-paper-trimming machine .....	C. Boust .....	170,659	Dec. 7, 1875	5	2	8	951
Wall-protector and towel-rack, Combined .....	M. G. Bell .....	160,998	Mar. 23, 1875	702	231	7	472
Wall ventilator, Side .....	W. G. Creamer .....	164,636	June 22, 1875	764	251	7	1062
Walls, Construction of .....	G. H. Ballentine .....	107,973	Sept. 21, 1875	544	175	8	500
Walls of buildings, Construction of .....	J. Wingrave .....	164,638	June 13, 1875	741	242	7	1050
Wardrobe .....	M. B. Coburn .....	164,640	June 22, 1875	766	252	7	1062
Wardrobe, Folding .....	L. A. Colbert .....	168,879	Oct. 19, 1875	541	177	8	657
Wardrobe, &c., hooks .....	C. H. Thurston .....	168,682	Oct. 11, 1875	355	116	8	623
Warehouse floodway .....	J. H. Morrell .....	168,517	Oct. 5, 1875	180	58	8	590
Warehouse floodway .....	J. H. Morrell .....	165,247	July 6, 1875	97	29	8	22
Warm-air furnace .....	J. B. Reinhard .....	164,101	June 8, 1875	254	87	7	976
Warming and ventilating apparatus .....	A. B. Mullett .....	158,965	Jan. 19, 1875	591	196	7	120
Warming apparatus .....	J. F. Keilly .....	166,894	Aug. 17, 1875	689	213	8	313
Warp-beam .....	O. D. Lombard .....	167,180	Aug. 31, 1875	997	310	8	372
Warp holder, Piecing .....	H. S. Houghton .....	164,740	June 22, 1875	858	279	7	1074
Warping-machine .....	J. S. Richard .....	161,638	Apr. 6, 1875	43	16, 17	7	575
Wash-basin .....	J. H. Kinsman and F. W. Smith .....	160,687	Mar. 9, 1875	396	133	7	414
Wash-bench .....	G. Banman .....	165,149	July 6, 1875	3	1	8	9
Wash-bench .....	O. M. Merrick .....	164,386	June 15, 1875	531	174	7	1022
Wash-bench .....	F. and M. Way .....	160,977	Mar. 16, 1875	675	221	7	459
Wash-bench .....	F. and M. Way .....	160,978	Mar. 16, 1875	676	222	7	459
Wash bench and wringer .....	C. F. Hornbeck .....	163,870	June 1, 1875	30	9	7	934
Wash bench and wringer, Combined .....	O. S. Holden and J. S. Corey .....	162,820	May 4, 1875	77	25	7	757
Wash-board .....	W. H. Berger .....	170,432	Nov. 30, 1875	1109	349	8	913
Wash-board .....	L. M. Crosby .....	171,552	Dec. 28, 1875	884	289	8	1092
Wash-board .....	E. S. Heath .....	168,252	Sept. 28, 1875	835	266	8	547
Wash-board .....	A. J. Hull .....	161,568	Dec. 28, 1875	901	294	8	1095
Wash-boiler .....	A. Becker .....	159,745	Feb. 16, 1875	494	165	7	266
Wash-boiler .....	J. B. Camyré .....	160,158	Feb. 23, 1875	884	291	7	326
Wash-boiler .....	W. P. Casperson .....	163,916	June 1, 1875	65	22	7	939
Wash-boiler .....	O. Davis .....	167,748	Sept. 14, 1875	337	108	8	461
Wash-boiler .....	J. D. Egler .....	167,082	Aug. 24, 1875	879	275	8	349
Wash-boiler .....	C. W. Guenther .....	169,902	Nov. 16, 1875	593	184	8	827
Wash-boiler .....	F. Mackli .....	168,266	Sept. 28, 1875	847	270	8	549
Wash-boiler .....	S. M. Marsden .....	159,196	Jan. 26, 1875	824	271	7	159
Wash-boiler .....	J. Rieth .....	164,875	June 22, 1875	986	318	7	1090
Wash-boiler .....	H. F. Thurston .....	166,949	Aug. 24, 1875	752	233	8	331
Wash-boiler attachment .....	W. J. Bennett .....	158,458	Jan. 5, 1875	94	32	7	22
Wash-boiler, &c., handle .....	J. W. Bates .....	167,055	Aug. 24, 1875	854	266	8	355
Wash-bowl .....	H. M. Weaver .....	166,045	July 27, 1875	906	280	8	169
Wash-bowl, Hand .....	T. Maddock .....	166,998	Aug. 24, 1875	804	249	8	338
Wash-bowls, &c., Vent-clearer for .....	J. S. Hawley .....	158,957	Jan. 19, 1875	565	187	7	117
Wash-stand .....	N. O. Bond .....	165,296	July 6, 1875	138	41, 42	8	28
Wash-stand .....	M. P. Brown .....	164,967	June 29, 1875	1086	350	7	1110
Wash-stand and water-closet, Combined .....	R. C. Ball .....	167,972	Sept. 21, 1875	542	174	8	500
Wash-tub wringer attachment .....	A. W. Caldwell .....	169,146	Oct. 26, 1875	813	264	8	702
Washer:							
<i>See</i> Axle-box washer.	Sheet-metal washer.						
Dish-washer.	Slate-washer.						
Gold-washer.	Spiral washer.						
Leather washer.	Spring-washer.						
Metallic washer.	Steam-washer.						
Nut-lock washer.	Vegetable-washer.						
Ore-washer.	Window-washer.						
Washer-cutter .....	E. Brule .....	168,607	Oct. 11, 1875	289	94	8	612
Washers, Machine for making .....	I. W. Doeg .....	163,303	May 18, 1875	564	180	7	844
Washing and wringing machine .....	W. Card .....	171,266	Dec. 21, 1875	609	199	8	1047
Washing and wringing machine .....	I. J. Cilley, L. A. Wright, and T. Nelson .....	170,818	Dec. 7, 1875	148	49	8	970
Washing and wringing machine combined .....	J. H. Cook .....	161,328	Mar. 30, 1875	1030	335	7	522
Washing and wringing machine, Combined .....	G. C. Eastman .....	166,920	Aug. 24, 1875	726	225	8	328
Washing and wringing machine, Combined .....	J. S. Manghlin and W. C. Marr .....	158,383	Jan. 5, 1875	27	9	7	12
Washing compound or fluid .....	W. S. Williams .....	159,132	Jan. 26, 1875	766	247	7	151
Washing-fluid .....	A. Thode .....	166,948	Aug. 24, 1875	752	247	8	331
Washing goods in the piece, Machine for .....	C. J. Barker .....	160,743	Mar. 16, 1875	466	153	7	431
Washing-list .....	G. Lamb .....	161,886	Apr. 13, 1875	273	92	7	619
Washing-machine .....	T. Addison and J. T. Yates .....	163,906	June 1, 1875	57	19	7	938
Washing-machine .....	T. Allen .....	169,397	Nov. 2, 1875	73	22	8	744
Washing-machine .....	J. K. Alwood .....	160,252	Mar. 2, 1875	1	1	7	349
Washing-machine .....	W. Atwood .....	166,579	Aug. 10, 1875	378	117	8	261
Washing-machine .....	O. Baldwin .....	163,292	May 18, 1875	532	177	7	843
Washing-machine .....	J. R. Barnes .....	161,851	Apr. 13, 1875	240	80	7	615
Washing-machine .....	J. F. Bassett .....	158,886	Jan. 19, 1875	510	171	7	110

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Washing-machine	J. W. Batson	162,602	Apr. 27, 1875	956	307	7	721
Washing-machine	L. Becker	165,058	June 29, 1875	1162	374	7	1121
Washing-machine	T. P. Benton	167,978	Sept. 21, 1875	548	177	8	501
Washing-machine	C. C. Bishop	165,979	July 27, 1875	848	261	8	161
Washing-machine	D. and D. F. Born	166,584	Aug. 10, 1875	382	118	8	261
Washing-machine	W. A. Bowen	162,996	May 11, 1875	260	84	7	789
Washing-machine	J. A. Bowyer	168,827	Oct. 19, 1875	497	162	8	651
Washing-machine	J. H. Carroll	166,185	Aug. 3, 1875	4	2	8	199
Washing-machine	J. C. Chase	158,831	Jan. 19, 1875	463	155	7	104
Washing-machine	G. W. Cole	167,071	Aug. 24, 1875	870	271	8	347
Washing-machine	W. Combs	164,364	June 15, 1875	512	168	7	1019
Washing-machine	M. Commerce	158,783	Jan. 19, 1875	417	140	7	98
Washing-machine	J. H. Conaway	168,880	Oct. 19, 1875	541	177	8	657
Washing-machine	W. D. and D. M. Croy	160,169	Feb. 23, 1875	893	294	7	327
Washing-machine	T. Crumling	162,028	Apr. 27, 1875	976	314	7	723
Washing-machine	A. Dreamater	168,885	Oct. 19, 1875	545	179	8	658
Washing-machine	S. L. Denney	166,266	Aug. 3, 1875	75	23	8	209
Washing-machine	P. A. Downer	169,242	Oct. 26, 1875	895	291	8	714
Washing-machine	J. A. Eberly	162,359	Apr. 20, 1875	714	232	7	682
Washing-machine	D. A. Frummertst	159,914	Feb. 16, 1875	650	215	7	286
Washing-machine	J. T. Fuhs	160,413	Mar. 2, 1875	139	49	7	368
Washing-machine	G. Friend	167,757	Sept. 14, 1875	350	111	8	463
Washing-machine	G. W. Gilbert	168,735	Oct. 11, 1875	404	131	8	629
Washing-machine	F. Gittere	170,362	Nov. 23, 1875	1026	321	8	893
Washing-machine	W. Gotorth	171,561	Dec. 28, 1875	894	292	8	1094
Washing-machine	G. W. Grubb	167,761	Sept. 14, 1875	355	112	8	463
Washing-machine	A. Hale	169,437	Nov. 2, 1875	107	34	8	749
Washing-machine	J. W. Hampton	162,380	Apr. 20, 1875	737	239	7	685
Washing-machine	J. H. Harris	165,573	July 13, 1875	433	131	8	77
Washing-machine	S. Hawkins	159,332	Feb. 2, 1875	79	26	7	194
Washing-machine	W. E. Hillson	162,550	Apr. 27, 1875	912	292	7	715
Washing-machine	S. W. Holbrook	159,094	Jan. 26, 1875	732	242	7	147
Washing-machine	J. Hollingsworth	166,460	Aug. 10, 1875	283	84	8	246
Washing-machine	G. W. Holmes	166,871	Aug. 17, 1875	663	206	8	310
Washing-machine	A. G. Huey	160,435	Mar. 2, 1875	159	56	7	371
Washing-machine	G. Huntington	160,597	Mar. 9, 1875	319	108	7	403
Washing-machine	T. A. Irick	165,675	July 20, 1875	543	166	8	107
Washing-machine	A. Israel	161,793	Apr. 6, 1875	173	59	7	594
Washing-machine	J. W. James and J. Street	159,827	Feb. 16, 1875	568	189	7	275
Washing-machine	E. A. Jones	166,109	July 27, 1875	970	299	8	178
Washing-machine	G. S. Jones and B. F. Kidd	164,004	June 1, 1875	138	49	7	950
Washing-machine	M. Jones	163,317	May 18, 1875	575	184	7	846
Washing-machine	T. B. Kirkwood	167,907	Sept. 21, 1875	446	157	8	492
Washing-machine	J. D. Lawlor	165,421	July 13, 1875	290	86	8	55
Washing-machine	J. D. Lawlor	170,279	Nov. 23, 1875	954	299	8	883
Washing-machine	J. F. Lawson	170,862	Dec. 7, 1875	183	62	8	975
Washing-machine	F. M. Lechner	160,211	Feb. 23, 1875	930	305	7	332
Washing-machine	P. Lieber	169,111	Oct. 26, 1875	784	254	8	698
Washing-machine	N. Loughly	165,938	July 27, 1875	808	248	8	196
Washing-machine	S. P. Loomis	165,598	July 13, 1875	455	138	8	80
Washing-machine	M. Loughran	165,844	July 20, 1875	707	215	8	129
Washing-machine	D. Louis	171,376	Dec. 28, 1875	907	297	8	1096
Washing-machine	J. H. Malone	158,506	Jan. 5, 1875	138	46	7	28
Washing-machine	F. Markley	165,679	July 20, 1875	546	167	8	108
Washing-machine	E. W. Maxson	162,399	Apr. 20, 1875	756	245	7	667
Washing-machine	T. McGuire	167,267	Aug. 31, 1875	1069	333	8	382
Washing-machine	J. W. McQuillin and J. A. Knap- per	166,539	Aug. 10, 1875	344	106	8	256
Washing-machine	T. J. McWane	162,296	Apr. 20, 1875	652	213	7	675
Washing-machine	J. W. Melick	164,018	June 1, 1875	151	54	7	951
Washing-machine	G. W. Mikessell	161,143	Mar. 23, 1875	839	273	7	489
Washing-machine	D. Minderle and G. Maschmeyer	160,026	Feb. 23, 1875	773	255	7	310
Washing-machine	S. D. Morey	161,893	Apr. 13, 1875	278	94	7	620
Washing-machine	J. H. Mudgett	166,714	Aug. 17, 1875	523	160	8	290
Washing-machine	F. M. Meyers	159,603	Feb. 9, 1875	346	115	7	240
Washing-machine	J. Meyers	165,358	July 6, 1875	197	59	8	36
Washing-machine	J. Meyers	165,359	July 6, 1875	197	59	8	36
Washing-machine	M. Newton	164,755	June 22, 1875	871	284	7	1076
Washing-machine	H. Niemann and F. Schleeter	158,969	Jan. 19, 1875	595	198	7	121
Washing-machine	J. M. Oakley	166,217	Aug. 3, 1875	30	10	8	203
Washing-machine	A. O'Dell	164,322	June 8, 1875	458	151	7	1003
Washing-machine	R. G. Orwig	163,686	May 25, 1875	921	293	7	898
Washing-machine	D. and M. Palmer and C. E. Briggs	166,888	Aug. 17, 1875	683	211	8	313
Washing-machine	T. Patterson	160,706	Mar. 9, 1875	415	138	7	417
Washing-machine	D. B. Bond	162,285	Sept. 22, 1875	863	276	8	551
Washing-machine	E. S. Richmond	171,169	Dec. 14, 1875	489	161	8	1023
Washing-machine	E. J. Robinson	163,947	Jan. 1, 1875	92	31	7	943
Washing-machine	O. V. Roe	165,874	July 20, 1875	732	224	8	133
Washing-machine	C. E. Ross	164,217	June 2, 1875	353	121	7	990
Washing-machine	F. H. F. Schneider	165,429	July 13, 1875	298	88	8	56
Washing-machine	P. Schweißhardt	163,265	May 11, 1875	508	165	7	820
Washing-machine	J. Seaman	163,291	June 1, 1875	46	16	7	937
Washing-machine	S. W. Shanks	159,613	Feb. 9, 1875	353	117	7	241
Washing-machine	L. A. Shaw	168,931	Oct. 19, 1875	533	196	8	665
Washing-machine	P. A. Shipley and A. Wheeler	159,971	Feb. 16, 1875	700	233	7	293
Washing-machine	J. I. Shotwell	170,311	Nov. 23, 1875	983	308	8	887
Washing-machine	J. S. Shrawder	158,748	Jan. 12, 1875	362	124	7	75
Washing-machine	A. Smith and J. S. Roy	169,737	Nov. 9, 1875	416	132	8	797
Washing-machine	J. W. Spangler and B. F. Reich	162,112	Apr. 13, 1875	468	155	7	644
Washing-machine	A. Stott and D. Evenson	159,466	Feb. 2, 1875	212	69	7	214
Washing-machine	T. Stumm	159,855	Feb. 16, 1875	593	196	7	279
Washing-machine	O. S. Tayer	166,731	Aug. 17, 1875	538	165	8	292
Washing-machine	J. H. Van De Water	158,547	Jan. 5, 1875	170	58	7	33
Washing-machine	D. Warnock	167,483	Sept. 7, 1875	88	28	8	419

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Washing-machine.	T. J. Webster.	161, 186	Mar. 23, 1875	873	286	7	494
Washing-machine.	S. Wells.	163, 427	July 18, 1875	670	214	7	858
Washing-machine.	H. G. Williams.	158, 770	Jan. 12, 1875	384	130	7	78
Washing-machine.	J. Wise and P. Lane.	164, 502	June 15, 1875	637	206	7	1035
Washing-machine.	A. E. Worden.	162, 327	Apr. 20, 1875	681	222	7	678
Washing-machine.	A. B. Wroth.	165, 909	July 27, 1875	837	257	8	159
Washing-machine and wringer clamp.	W. A. Duncan.	171, 108	Dec. 14, 1875	427	142	7	1015
Washing-machine, Boiler.	J. D. M. Armbrust.	161, 731	Apr. 6, 1875	122	43	7	586
Washing-machine, Boiler.	C. R. Everson and L. L. Cramer.	166, 691	Aug. 17, 1875	499	{ 152 153 }	8	286
Washing-machine clamp.	C. B. Canup and C. Osterhout.	169, 656	Nov. 16, 1875	639	199	8	833
Washing-machine, Cylinder.	S. and A. T. Wekey.	164, 785	June 22, 1875	896	292	7	1079
Waste-pipe trap.	T. Hudson.	170, 268	Nov. 23, 1875	946	296	8	882
Waste-pipes, Automatic closing attachment for.	F. P. Beurle.	162, 268	Apr. 20, 1875	629	205	7	672
Watch.	J. K. Bigelow.	169, 512	Nov. 2, 1875	170	57	8	758
Watch.	M. G. Cole.	165, 793	July 20, 1875	650	{ 199 200 }	8	122
Watch.	J. R. Hopkins.	161, 513	Mar. 30, 1875	1210	389	7	545
Watch.	E. J. Pacaud.	168, 774	Oct. 11, 1875	437	142	8	634
Watch-balance, Compensation.	A. H. Potter.	168, 583	Oct. 11, 1875	267	87	6	609
Watch-case.	S. B. Simon.	161, 712	Apr. 6, 1875	103	37	7	584
Watch-case.	F. Steffany.	162, 321	Apr. 20, 1875	673	220	7	677
Watch-case backs, Form for forming.	F. H. Wilby.	159, 993	Feb. 16, 1875	723	240	7	296
Watch-case bezels, Device for making.	F. H. Wilby.	159, 238	Jan. 26, 1875	864	282	7	165
Watch-case centers, Die for making.	J. Geldreich.	170, 076	Nov. 16, 1875	749	237	8	847
Watch-case spring.	A. S. Buckelew.	167, 063	Aug. 24, 1875	864	269	8	347
Watch-case spring.	A. S. Buckelew.	170, 341	Nov. 23, 1875	1009	317	8	891
Watch-case spring.	J. Menegay.	160, 610	Mar. 9, 1875	329	111	7	405
Watch-case spring.	C. W. Wadsworth.	160, 368	Mar. 2, 1875	58	36	7	363
Watch-case spring and catch.	I. N. Hopkins.	164, 918	June 29, 1875	1044	336	7	1105
Watch-case tool.	C. Hopkins.	167, 174	Aug. 31, 1875	993	309	8	372
Watch-cases, Machine for the manufacture of.	C. L. Thiery.	162, 324	Apr. 20, 1875	675	221	7	678
Watch-center-wheel.	M. C. Smith.	159, 363	Feb. 2, 1875	110	38	7	199
Watch-chain charm.	R. B. Esler.	165, 317	July 6, 1875	160	48	8	30
Watch-chain swivel.	C. Mills.	164, 119	June 8, 1875	270	92	7	973
Watch-cleaning fluid.	A. Monnier.	171, 035	Dec. 14, 1875	357	117	8	1005
Watch-crystals, Clamp for grinding.	A. C. Norton.	163, 683	May 25, 1875	919	292	7	898
Watch-crystals, Gage for fitting.	B. B. Loar.	159, 336	Feb. 2, 1875	90	31	7	196
Watch-escapement.	E. Bourquin.	167, 872	Sept. 21, 1875	467	148	8	488
Watch-escapement.	J. R. Hopkins.	165, 830	July 20, 1875	692	211	8	127
Watch-escapement.	A. H. Potter.	168, 582	Oct. 11, 1875	266	87	8	609
Watch-key.	J. C. Duerber.	164, 819	June 22, 1875	932	302	7	1083
Watch-key.	A. and F. Hathaway.	163, 771	May 25, 1875	993	315	7	908
Watch-key.	H. Lohmeyer.	161, 421	Mar. 30, 1875	1119	362	7	533
Watch-key.	G. P. Reed.	168, 527	Oct. 5, 1875	188	62	8	591
Watch-key.	A. and C. A. Wanmer.	161, 306	Mar. 23, 1875	992	324	7	509
Watch-key combination-tool.	O. D. Warfield.	165, 635	July 13, 1875	492	150	8	85
Watch-key, Ratchet.	G. A. Beidler.	160, 867	Mar. 16, 1875	579	188	7	446
Watch-mainspring.	J. A. Dawson.	163, 161	May 11, 1875	413	134	7	808
Watch-mainspring.	G. Hunter.	161, 236	Mar. 23, 1875	923	302	7	500
Watch-mainspring.	C. W. Rice and A. L. Burbank.	163, 694	May 25, 1875	927	295	7	899
Watch-mainspring attachment.	M. Wheeler.	167, 372	Aug. 31, 1875	1162	366	8	396
Watch-maker's box.	P. H. Wheeler.	165, 774	July 20, 1875	629	193	8	120
Watch-movements, Construction of.	J. H. Flynt.	162, 542	Apr. 27, 1875	906	290	7	714
Watch-plate.	V. Doriot.	169, 787	Nov. 9, 1875	474	150	8	804
Watch-plate.	F. A. Lange.	161, 244	Mar. 23, 1875	931	304	7	501
Watch-pinion, Reversible.	J. Gordon.	160, 585	Mar. 9, 1875	307	104	7	401
Watch-regulator.	E. MacNutt.	169, 458	Nov. 2, 1875	122	39	8	752
Watch-regulator.	R. S. Mershon.	167, 407	Sept. 7, 1875	25	7	8	410
Watch-regulator.	J. A. Miller.	163, 600	May 25, 1875	916	291	7	898
Watch-regulator.	C. Teske.	168, 429	Oct. 5, 1875	96	33	8	579
Watch safety-center-pinion.	C. R. Bacon and L. C. Brown.	166, 741	Aug. 17, 1875	550	168	8	293
Watch safety-pinion.	L. W. Thompson.	165, 275	July 6, 1875	119	36	8	25
Watch safety-wheel.	E. Jeanjaquet.	164, 692	June 8, 1875	245	84	7	975
Watch-spring equalizer.	C. Hanson.	161, 957	Apr. 13, 1875	333	112	7	627
Watch, Stem-setting.	J. F. U. Jorgensen.	161, 239	Mar. 23, 1875	926	302	7	501
Watch, Stem-winding.	J. D. Brez.	163, 786	July 20, 1875	642	197	8	121
Watch, Stem-winding.	C. D. P. Gibson.	163, 987	Nov. 16, 1875	663	208	8	836
Watch, Stem-winding.	C. S. Moscley.	161, 262	Mar. 23, 1875	953	{ 310 311 }	7	504
Watch, Stem-winding.	C. V. Woerd.	161, 725	Apr. 6, 1875	114	41	7	586
Watch-wheels, Tool for pivoting.	F. R. Bucklin.	164, 714	June 22, 1875	817	272	7	1071
Watches, Barrel-arbor for.	J. R. Hopkins.	165, 831	July 20, 1875	693	212	8	128
Watches, Barrel-arbor for.	A. H. Potter.	168, 581	Oct. 11, 1875	265	86	8	609
Watches, Cannon-pinion for.	S. Ramey.	161, 822	Apr. 6, 1875	206	69	7	598
Watches, Collet for balance-springs of.	A. Jewett.	166, 990	Aug. 24, 1875	799	248	8	337
Watches, Compound balance-staff for.	J. J. Thornton.	168, 065	Sept. 21, 1875	649	206	6	514
Watches, Hollow staff for.	W. A. Belcher and D. J. Plume.	167, 634	Sept. 14, 1875	240	74	8	447
Watches, Independent escapement for.	F. Fitt.	167, 089	Aug. 24, 1875	890	{ 277 278 }	8	350
Watches, Reversible center-pin for.	F. E. Smith.	171, 058	Dec. 14, 1875	382	126	8	1008
Watches, Stem winding and setting device for.	L. Kahu.	166, 781	Aug. 17, 1875	581	179	8	298
Watchman's register.	D. Shive.	169, 378	Nov. 2, 1875	56	17	8	742
Watchman's time-check.	T. D. Osborne and W. W. Le Grande.	167, 925	Sept. 21, 1875	508	162	8	494
Water and other pipes, Device or clamp for stopping leaks in.	J. B. Peake.	164, 028	June 1, 1875	160	56	7	953
Water and steam indicator for boilers.	W. L. Carman.	158, 675	Jan. 12, 1875	302	103	7	66
Water, &c., Apparatus for drawing.	P. Vabc and H. Chnu.	166, 657	Aug. 10, 1875	448	138	8	270
Water by pneumatic pressure, Apparatus for raising.	R. A. Cheesbrough.	158, 676	Jan. 12, 1875	303	103	7	66
Water-channels, Preventing the obstruction of.	L. H. Beebe.	165, 059	June 29, 1875	1162	374	7	1121
Water-closet.	E. O. Brinckerhoff.	158, 896	Jan. 19, 1875	524	175	7	112
Water-closet.	H. P. B. Chan.	161, 004	Mar. 23, 1875	706	233	7	472
Water-closet.	W. S. Carr.	162, 742	May 4, 1875	7	3	7	747
Water-closet.	W. S. Carr.	168, 613	Oct. 11, 1875	295	96	8	614

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Water-closet	R. C. Clark	153, 677	Jan. 12, 1875	304	103	7	66
Water-closet	W. J. Crow	159, 906	Feb. 16, 1875	644	213	7	255
Water-closet	J. H. Gould	160, 896	Mar. 16, 1875	694	197	7	449
Water-closet	R. D. O. Smith	167, 702	Sept. 14, 1875	595	93	8	455
Water-closet pan	E. A. Leland	166, 209	Aug. 3, 1875	24	8	8	202
Water-closet seat	F. Faby	165, 553	July 13, 1875	415	125	8	71
Water-closet water-supply apparatus	I. Riley	165, 507	July 13, 1875	375	111	8	67
Water-closets, Apparatus for disinfecting	G. Jennings	164, 842	June 22, 1875	952	309	7	1086
Water-closets, Automatically cleansing	J. J. O'Donoghue	165, 174	July 6, 1875	33	9	8	13
Water-closets, Automatic shut-off for	J. Cavanagh	165, 209	July 6, 1875	66	19	8	18
Water-closets, Self-raising seat for	J. E. Walter	162, 437	Apr. 20, 1875	790	257	7	691
Water-cooler	P. Gray	163, 481	May 18, 1875	725	231	7	865
Water-cooler	G. I. Mix	165, 357	July 6, 1875	196	58, 59	8	35
Water-cooler	L. B. Woolfolk	166, 726	Aug. 17, 1875	545	167	8	293
Water-cooler and filter	A. H. Peterson	158, 649	Jan. 12, 1875	280	91	7	63
Water-cooler and refrigerator, Combined	J. K. Korff	161, 797	Apr. 6, 1875	177	60	7	594
Water-cooler, &c., cover	E. B. Jewett	170, 477	Nov. 30, 1875	1151	363	8	918
Water-cooler stand	C. B. Porter	166, 889	Aug. 17, 1875	683	212	8	313
Water-cooler, &c., stand	W. L. McDowell	170, 876	Dec. 7, 1875	194	67	8	977
Water cooling and aerating apparatus	W. A. Lightball	162, 668	Apr. 27, 1875	1917	325	7	728
Water-distributor, Automatic	G. J. Orr	163, 101	May 11, 1875	358	116	7	801
Water-elevator	A. Brar	162, 613	Apr. 27, 1875	964	310	7	722
Water-elevator	J. Chandler	166, 500	Aug. 10, 1875	314	95	8	251
Water-elevator	P. Hoag and O. Junkerman	163, 919	June 1, 1875	134	47	7	949
Water-elevator	J. Keith	160, 527	Mar. 9, 1875	257	88	7	394
Water-elevator	L. H. Thompson	171, 330	Dec. 21, 1875	661	218	8	1033
Water-elevator	J. H. Van Dyck	169, 316	Oct. 26, 1875	670	314	8	721
Water-elevator	W. Walter	161, 679	Mar. 23, 1875	774	255	7	481
Water-elevator	W. Walter	164, 887	June 22, 1875	997	332	7	1091
Water-elevator or chain-pump	O. A. Davis	160, 578	Mar. 9, 1875	299	102	7	401
Water from ships, &c., Device for automatically discharging	W. D. Peters and G. H. Holt	164, 477	June 15, 1875	616	199	7	1032
Water-heater	S. L. Latta	159, 103	Jan. 26, 1875	741	244	7	148
Water-heater boiler	J. R. Lamb	161, 522	Mar. 30, 1875	1217	391	8	546
Water-heater boiler	W. Taylor	158, 755	Jan. 12, 1875	368	125	7	76
Water in pipes, Apparatus for indicating and recording the velocity of	G. F. Deacon	167, 994	Sept. 21, 1875	560	189	8	502
Water-meter	P. Ball and B. Fitts	160, 379	Mar. 2, 1875	107	39	7	364
Water-meter	A. Guthrie	160, 767	Mar. 16, 1875	476	161	7	434
Water-meter	W. Helme	163, 673	July 20, 1875	541	165	8	107
Water-meter	N. W. Knowlton	159, 419	Feb. 2, 1875	159	54	7	206
Water-meter	W. B. Mounteney	169, 368	Nov. 2, 1875	48	14	8	741
Water-meter	F. Philippi	170, 895	Dec. 7, 1875	211	73	8	979
Water-meter	W. P. Rhodes and J. H. Swartz	168, 528	Oct. 5, 1875	189	62	8	591
Water-meter	A. Swasey	168, 354	Oct. 5, 1875	31	12	8	569
Water-meter	D. C. Taylor	168, 854	Oct. 19, 1875	519	170	8	654
Water-meter	H. M. Wilcox	165, 966	July 27, 1875	833	256	8	159
Water-meter	G. Winzer and R. D. Bland	166, 175	July 27, 1875	1036	319	8	188
Water-meter register-dial	J. C. Kelley	170, 272	Nov. 23, 1875	950	297	8	882
Water-pipe	W. H. Sampson	170, 305	Nov. 23, 1875	978	306	8	886
Water-pipe	E. W. Smith	171, 440	Dec. 21, 1875	762	251	8	1067
Water-pipes, Apparatus for thawing	T. J. Sloan	168, 352	Oct. 5, 1875	29	11	8	569
Water-pipes, Device for thawing	R. E. Dietz	165, 550	July 13, 1875	413	124	8	73
Water-pipes from freezing, Protecting	A. N. Rankin	167, 195	Aug. 31, 1875	1069	314	8	374
Water-pipes, Implement for thawing	T. J. Sloan	168, 353	Oct. 5, 1875	30	12	8	569
Water-power	C. Monson	161, 146	Mar. 23, 1875	841	274	7	489
Water-proof compound	A. Barnard	171, 209	Dec. 21, 1875	555	8	1039	
Water-proof compound	W. D. Grimshaw	160, 898	Mar. 16, 1875	605	7	419	
Water-raising apparatus, Electrical	E. Ponvert, jr	170, 014	Nov. 16, 1875	688	216	8	839
Water-raising apparatus, Regulator for electrical	J. H. Guest	161, 680	Apr. 6, 1875	79	23	7	580
Water-supply apparatus	J. N. Poage	169, 577	Nov. 2, 1875	237	78	8	766
Water-trap	W. A. Butler	165, 302	July 6, 1875	143	44	8	28
Water-trap supply and connection	J. H. Morrell	168, 405	Oct. 5, 1875	77	27	8	576
Water-traps, Manufacture of	G. W. Vicks	169, 392	Nov. 2, 1875	68	20	8	744
Water-traps, Mold for casting	J. M. Reid	167, 021	Aug. 24, 1875	824	256	8	341
Water-tube boiler	J. D. Pierce	167, 562	Sept. 7, 1875	160	59	8	429
Water-tube boiler	J. Warner	166, 235	Aug. 3, 1875	45	15	8	205
Water-wheel	J. Atkins	166, 676	Aug. 10, 1875	465	143	8	273
Water-wheel	O. J. Bollinger	163, 914	June 1, 1875	63	21	7	939
Water-wheel	J. J. Bourgeois	171, 088	Dec. 14, 1875	407	135	8	1012
Water-wheel	H. W. Campbell and J. H. Johnson	166, 682	Aug. 17, 1875	492	150	8	285
Water-wheel	J. P. Collins	163, 850	June 1, 1875	14	4	7	932
Water-wheel	E. B. Cope	164, 569	June 29, 1875	1036	334	7	1104
Water-wheel	G. H. Darling	170, 065	Nov. 16, 1875	735	233	8	846
Water-wheel	J. Erikson	164, 823	June 22, 1875	936	302	7	1084
Water-wheel	W. C. Groves	169, 901	Nov. 16, 1875	393	144	8	827
Water-wheel	A. W. Hoag	169, 165	Oct. 26, 1875	830	269	8	705
Water-wheel	J. M. Hart	163, 927	June 1, 1875	75	25	7	941
Water-wheel	H. W. Hawley	166, 004	July 27, 1875	870	268	8	164
Water-wheel	J. L. Helmer	168, 641	Oct. 11, 1875	324	105	8	618
Water-wheel	S. N. Knight	158, 591	Jan. 12, 1875	329	77	7	56
Water-wheel	F. Kring	162, 293	Apr. 21, 1875	650	212	7	674
Water-wheel	S. C. Lyons	170, 285	Nov. 23, 1875	951	301	8	884
Water-wheel	I. Mallery	163, 672	May 25, 1875	910	289	7	897
Water-wheel	I. Mallery	170, 633	Nov. 30, 1875	1301	410	8	938
Water-wheel	R. R. Royer	160, 958	Mar. 16, 1875	660	215	7	456
Water-wheel	S. Sherwood	160, 356	Mar. 2, 1875	88	32	7	361
Water-wheel	J. H. Staples	161, 643	Apr. 6, 1875	47	18	7	576
Water-wheel	C. H. Sturgess	164, 495	June 15, 1875	630	201	7	1031
Water-wheel	T. Tait	171, 191	Dec. 14, 1875	598	167	8	1025
Water-wheel	W. J. Thompson	160, 128	Feb. 23, 1875	857	281	7	322
Water-wheel	H. J. Twitchell	167, 956	Sept. 21, 1875	532	170	8	493

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Water-wheel.....	F. Voigt.....	170, 499	Nov. 30, 1875	1172	370	8	921
Water-wheel.....	R. Wilson.....	168, 502	Sept. 28, 1875	792	251	8	541
Water-wheel.....	A. N. Wolf.....	179, 734	Feb. 9, 1875	465	155	8	257
Water-wheel and gate.....	O. S. Hazard.....	171, 223	Dec. 21, 1875	569	187	8	1041
Water-wheel case, Turbine.....	E. R. Stilwell.....	158, 997	Jan. 19, 1875	623	206	7	124
Water-wheel, Centrifugal.....	O. J. Backus.....	171, 256	Dec. 21, 1875	599	196	8	1045
Water-wheel, Centrifugal.....	J. H. Meacham.....	169, 018	Oct. 19, 1875	670	220	8	675
Water-wheel chute.....	M. B. Mooman.....	160, 457	Mar. 2, 1875	160	62	7	374
Water-wheel, Current.....	W. W. Cleaveland.....	166, 187	Aug. 3, 1875	6	3	8	199
Water-wheel gate.....	G. W. Dunn.....	163, 754	May 25, 1875	9-1	311	8	906
Water-wheel gate, Combined.....	Y. W. Larnon.....	168, 507	Oct. 5, 1875	170	55	8	5-8
Water-wheel, Reversible.....	A. W. Lindley.....	169, 112	Oct. 26, 1875	784	254	7	698
Water-wheel, Turbine.....	G. Arrowsmith.....	164, 668	June 22, 1875	791	279	7	1065
Water-wheel, Turbine.....	J. M. Denson.....	164, 721	June 22, 1875	845	274	7	1072
Water-wheel, Turbine.....	S. R. Jenner.....	165, 334	July 6, 1875	173	51	8	32
Water-wheel, Turbine.....	G. H. Jones.....	166, 206	Aug. 3, 1875	21	7, 8	8	202
Water-wheel, Turbine.....	W. Mercer.....	164, 927	June 29, 1875	1054	339	8	1106
Water-wheel, Turbine.....	M. C. Washburn.....	167, 143	Aug. 24, 1875	939	292	8	357
Water-works, Portable.....	J. N. Dennison.....	170, 532	Nov. 30, 1875	1199	379	8	925
Water-works, Reservoir for.....	W. H. Morrison.....	158, 386	Jan. 5, 1875	30	10, 11	7	13
Wave-power machine.....	C. Buckner, jr.....	163, 451	May 18, 1875	602	221	7	861
Waxing compound.....	L. R. Meats.....	165, 942	July 37, 1875	812		8	156
Weather-board gage.....	R. J. Dodd.....	169, 527	Nov. 2, 1875	183	62	8	760
Weather-board gage.....	D. M. Mellord.....	159, 597	Feb. 9, 1875	341	113	7	240
Weather-board gage.....	D. Neff.....	164, 584	June 15, 1875	705	229	7	1045
Weather-boarding.....	H. L. Clippingier.....	164, 972	June 29, 1875	10-0	351	7	1111
Weather-strip.....	G. P. Bennett.....	167, 890	Sept. 21, 1875	420	134	8	481
Weather-strip.....	F. A. Bradshaw.....	168, 569	Oct. 19, 1875	533	175	8	556
Weather-strip.....	G. Burkhardt and C. E. Harden.....	162, 621	Apr. 27, 1875	971	312	7	723
Weather-strip.....	J. Chandler.....	170, 620	Nov. 30, 1875	1288	407	8	937
Weather-strip.....	T. Clark.....	166, 453	Aug. 10, 1875	278	83	8	246
Weather-strip.....	J. Cleve.....	169, 420	Nov. 2, 1875	91	28	8	747
Weather-strip.....	D. Doan.....	170, 534	Nov. 30, 1875	1201	379	8	926
Weather-strip.....	W. H. Douglass.....	166, 910	Aug. 24, 1875	725	225	8	328
Weather-strip.....	F. Fickry.....	165, 922	July 27, 1875	769	243	8	154
Weather-strip.....	D. L. Hoffman and P. M. Shoemate.....	165, 489	July 13, 1875	359	105	8	65
Weather-strip.....	N. Liddell.....	164, 382	June 15, 1875	528	173	7	1021
Weather-strip.....	W. Sustins.....	170, 029	Nov. 16, 1875	698	220	8	841
Weather-strip.....	E. C. Underwood.....	160, 555	Mar. 9, 1875	281	95	7	398
Weather-strip.....	W. T. Valentine.....	158, 762	Jan. 12, 1875	314	127	7	76
Weather-strip.....	C. A. Wilhem.....	171, 334	Dec. 21, 1875	665	219	8	1054
Weather-strip for windows.....	S. T. Varian.....	159, 867	Feb. 16, 1875	6-7	201	7	2-0
Weather-threshold.....	W. H. Wood.....	164, 503	June 15, 1875	637	206	7	1035
Weather-vane.....	W. H. Pickering.....	170, 766	Dec. 7, 1875	104	33	8	964
Weather-vane and pointer.....	J. C. Bryan.....	160, 150	Feb. 23, 1875	877	28-9	7	325
Wedge, Iron.....	C. McDermott.....	159, 949	Feb. 16, 1875	6-2	226	7	200
Weed-covering attachment.....	J. W. Dysard.....	164, 155	June 8, 1875	299	102	7	982
Weed-cutter and hiller.....	J. Robson.....	160, 545	Mar. 9, 1875	273	93	7	397
Weed-turner.....	A. J. Mowry and H. Charce.....	163, 881	June 1, 1875	39	13	7	835
Weed-turner.....	J. B. Thornton, G. H. McDonel, and A. Haie.....	169, 058	Oct. 19, 1875	709	234	8	680
Weeding implement.....	C. Crofut.....	166, 506	Aug. 10, 1875	319	96	8	252
Wet-stop mechanism.....	T. Isherwood.....	162, 158	Sept. 28, 1875	753	238	8	5-6
Weighing apparatus, Wagon.....	J. J. D. Kingsbury.....	166, 38-9	Aug. 3, 1875	192	57	8	220
Weight and hand-power, Combined body.....	C. Van De Mark.....	166, 827	Aug. 17, 1875	630	192	8	205
Welding and heating furnaces, Bottom for.....	W. Small.....	161, 167	Mar. 23, 1875	5-8		7	492
Welding chain-links, Device for.....	P. H. Standish.....	163, 949	June 1, 1875	93	31	7	941
Welding chain-links, Machine for.....	B. Hershey.....	166, 269	Aug. 3, 1875	165	51	8	223
Welding chain-links, Machine for.....	B. Hershey.....	166, 370	Aug. 3, 1875	166	51	8	223
Welding chain-links, Machine for.....	B. Hershey.....	166, 371	Aug. 3, 1875	167	51	8	223
Welding chain-links, Machine for.....	B. Hershey.....	166, 372	Aug. 3, 1875	169	51	8	223
Welding chain-links, Machine for.....	B. Hershey.....	166, 373	Aug. 3, 1875	171	52	8	223
Welding chain-links, Machine for.....	B. Hershey.....	166, 374	Aug. 3, 1875	173	52, 53	8	224
Welding chain-links, Machine for.....	B. Hershey.....	166, 375	Aug. 3, 1875	178	53, 54	8	224
Welding chain-links, Machine for.....	B. Hershey.....	166, 377	Aug. 3, 1875	179	54	2	224
Welding compound.....	J., jr., and A. S. Scott.....	166, 816	Aug. 17, 1875	612		8	303
Welding cultivator-axles, Die for.....	C. H. Thompson.....	164, 610	June 15, 1875	727	237	7	1048
Welding furnace, Pipe.....	J. Fieldhouse.....	161, 401	Mar. 30, 1875	1102	357	7	331
Welding, hardening, and tempering steel, Compound for.....	S. Slater.....	165, 378	July 6, 1875	218		8	38
Welding iron and steel, Flux for.....	D. Miles.....	165, 246	July 6, 1875	57		8	22
Welding plow-irons, Roll for.....	W. M. Watson.....	158, 657	Jan. 12, 1875	250	97	7	64
Welding plow-irons, Roll for.....	W. M. Watson.....	164, 621	June 15, 1875	735	240	7	1049
Welding steel, Compound for.....	E. Anthony and J. Beadle.....	161, 730	Apr. 6, 1875	122		7	586
Welding the lag-ends of bars, Device for.....	J. Sutter.....	159, 468	Feb. 2, 1875	215	69	7	214
Welding tubing, Machine for.....	G. H. White.....	166, 668	Aug. 10, 1875	459	141	8	272
Well-boring machine.....	R. H. Metzker.....	168, 099	Sept. 28, 1875	634	219	8	527
Well-emb.....	C. M. Minor.....	170, 290	Nov. 23, 1875	566	302	8	884
Well drills, Coupling joint for oil.....	C. B. Wiser.....	161, 082	Mar. 23, 1875	777	256	7	4-1
Well-drilling apparatus.....	D. H. Muir.....	171, 406	Dec. 21, 1875	734	241	8	1063
Well, Filter.....	W. P. Powers.....	161, 546	Mar. 30, 1875	1239	399	7	549
Well, Petroleum.....	W. L. Hardison.....	171, 563	Dec. 28, 1875	856	293	8	1094
Well, Petroleum.....	W. L. Hardison.....	171, 615	Dec. 28, 1875	957	310	8	1102
Well, Petroleum.....	E. M. Stevenson.....	166, 425	Aug. 3, 1875	226	68, 69	8	230
Well, Petroleum.....	L. Stewart.....	166, 426	Aug. 3, 1875	226	69	8	231
Well point, Drive.....	D. A. Danforth.....	161, 491	Mar. 30, 1875	1191	3-2	7	542
Well point, Driven.....	D. A. Danforth.....	163, 749	May 25, 1875	977	309	7	905
Well-reamer.....	W. Young.....	161, 180	Mar. 23, 1875	876	288	7	494
Well-trainer, Drive.....	W. C. Macomber.....	160, 692	Mar. 9, 1875	401	134	7	415
Well-tubes, Machinery for perforating.....	C. L. Travis.....	162, 435	Apr. 20, 1875	788	256	7	691
Well-tubing.....	W. Patterson.....	166, 136	July 27, 1875	996	207	8	182
Wells, Apparatus for walling.....	W. H. Beach and G. Marshall.....	168, 707	Oct. 11, 1875	379	124	8	626



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Wells, Bull-wheel for oil.....	J. Schellkopf.....	168,925	Oct. 19, 1875	589	194	8	664
Wells, Constructing.....	C. Holtz.....	171,513	Dec. 28, 1875	852	278	8	1087
Wells, Construction of.....	G. H. Field.....	166,760	Aug. 17, 1875	563	173	8	296
Wells, Grab for removing drills from artesian.....	B. Kent.....	165,676	July 20, 1875	544	166	8	107
Wells, Lining.....	D. L. Newcomb.....	158,434	Jan. 5, 1875	70	25	7	19
Wells, Making artesian and other.....	C. Pontez.....	158,865	Jan. 19, 1875	492	166	7	108
Wells, Method of tubing.....	W. T. Dobbs.....	159,805	Feb. 16, 1875	550	183	7	273
Wells, Packer for shutting off water from oil.....	J. P. Gordon.....	167,400	Sept. 7, 1875	19	6	8	409
Wells, Tool for setting tubes in artesian.....	J. B. S. Ellwagen.....	167,626	Sept. 14, 1875	232	72	8	445
Well-cutting and counter-skiving machine.....	S. D. Tripp.....	169,930	Nov. 16, 1875	618	192	8	830
Well-knife.....	W. R. Barton.....	162,013	Apr. 13, 1875	378	127	7	653
Whalebone, Method of straightening.....	W. H. Ferguson.....	160,411	Mar. 2, 1875	137	48	7	368
Whalebone splitting and dressing machine.....	F. C. Merriman.....	166,711	Aug. 17, 1875	518	159	8	289
Wheat, Apparatus for drying and bleaching ground.....	C. S. Fuller.....	162,910	May 4, 1875	158	52	7	768
Wheat steamer and equalizer.....	D. Sims and J. Hosick.....	167,414	Sept. 7, 1875	32	9	8	411
Wheel.....							
See Car-wheel.....	Propeller-wheel.....						
Carriage-wheel.....	Propelling-wheel.....						
Crank-wheel.....	Pulley or gear wheel.....						
Drying-wheel.....	Ratchet-wheel.....						
Emery-wheel.....	Saw-wheel.....						
Fifth-wheel.....	Sewing-machine feed-wheel.....						
Grinding-wheel.....	Spinning-wheel.....						
Harvester-wheel.....	Toy wind-wheel.....						
Horizontal wind-wheel.....	Traction-wheel.....						
Lubricating-wheel.....	Turbine wheel.....						
Marking-wheel.....	Vehicle-wheel.....						
Ornamenting and marking wheel.....	Wagon-wheel.....						
Paddle-wheel.....	Watch-wheel.....						
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Polishing wheel.....	Wind-wheel.....						
Polishing and grinding wheel.....							
Wheelbarrow.....	N. Rolland and J. F. Van Hoorde.....	167,198	Aug. 31, 1875	1011	314	8	374
Whiffletree.....	G. H. Bots and W. H. White.....	161,742	Apr. 6, 1875	132	46	7	528
Whiffletree.....	J. H. Brown.....	162,794	May 4, 1875	57	18	7	754
Whiffletree.....	T. Carroll.....	163,455	May 18, 1875	696	222	7	862
Whiffletree.....	J. R. Finley.....	171,113	Dec. 14, 1875	430	143	8	1015
Whiffletree.....	T. T. Furlong.....	163,862	June 1, 1875	24	8	7	934
Whiffletree.....	W. G. Hearn.....	164,557	June 15, 1875	682	221	7	1042
Whiffletree.....	P. McGlew.....	168,167	Sept. 28, 1875	761	241	8	537
Whiffletree and neck-yoke.....	G. W. Eddy.....	167,322	Aug. 31, 1875	1115	351	8	329
Whiffletree-clip.....	J. A. Ellis.....	160,262	Mar. 2, 1875	7	4	7	350
Whiffletree-coupling.....	B. H. Merriman.....	161,808	Apr. 6, 1875	188	64	7	596
Whiffletree-eye.....	J. Pierpont.....	170,896	Dec. 7, 1875	212	73	8	979
Whiffletree-fastening.....	H. R. Jackson.....	170,738	Dec. 7, 1875	76	24	8	960
Whiffletree-hook.....	E. Maynard.....	171,235	Dec. 21, 1875	578	190	8	1042
Whiffletree-hook.....	O. J. Smith.....	159,851	Feb. 16, 1875	590	195	7	278
Whiffletree hook and clip.....	I. N. Pyle.....	163,945	June 1, 1875	90	30	7	944
Whiffletree-plate.....	B. S. Porter.....	165,176	July 6, 1875	35	10	8	13
Whiffletree trace-fastening.....	J. L. Wingate.....	163,956	June 1, 1875	98	33	7	944
Whip.....	T. J. Bronsou and T. N. Jewsbury.....	169,768	Nov. 9, 1875	454	143	8	802
Whip-cane socket-joint.....	J. A. Beckler.....	162,605	Apr. 27, 1875	958	308	7	721
Whip-snapper loop.....	H. H. Jones.....	169,550	Nov. 2, 1875	211	69	8	765
Whip-socket.....	H. E. Fowler.....	167,518	Sept. 7, 1875	123	38	8	423
Whip-socket.....	D. A. Kelsey.....	167,258	Aug. 31, 1875	1063	331	8	382
Whip-socket.....	G. M. Rising.....	169,846	Nov. 9, 1875	529	165	8	810
Whip-socket.....	J. M. Underwood.....	161,578	Mar. 30, 1875	1271	408	7	553
Whip-socket clasp.....	E. W. Scott.....	166,724	Aug. 17, 1875	532	163	8	291
Whip-sticks, Chuck for turning.....	C. S. Hartwell.....	168,487	Oct. 5, 1875	150	49	8	586
Whip-tie ferrule.....	E. B. Light.....	159,105	Jan. 26, 1875	744	245	7	148
Whisky, Manufacturing.....	E. Wernick.....	165,392	July 6, 1875	239		8	41
Whistle, Steam.....	H. B. King and C. McKiernan.....	170,274	Nov. 23, 1875	952	298	8	862
Whistle, Steam.....	J. Kieppel.....	166,479	Aug. 10, 1875	298	89	8	249
Wick-raiser.....	H. C. Hart.....	162,286	Apr. 20, 1875	642	210	7	674
Wick-raiser.....	H. G. Moehring.....	163,577	May 18, 1875	750	238	7	868
Wick-trimmer.....	D. T. Bates.....	165,402	July 13, 1875	273	81	8	53
Wind-power.....	J. M. Armour.....	170,326	Nov. 23, 1875	998	313	8	889
Wind-power.....	A. Lowe.....	167,347	Aug. 31, 1875	1138	358	8	392
Wind-wheel.....	L. D. Abrams.....	164,409	June 15, 1875	537	181	7	1025
Wind-wheel.....	A. J. Beckley.....	169,227	Oct. 26, 1875	883	287	8	712
Wind-wheel.....	H. J. Brinhall, jr.....	166,744	Aug. 17, 1875	552	169	8	294
Wind-wheel.....	C. T. Edwards and G. H. Huntoon.....	164,938	Apr. 13, 1875	320	107	7	625
Wind-wheel.....	C. T. Edwards and G. H. Huntoon.....	163,058	May 11, 1875	317	102	7	796
Wind-wheel.....	S. and D. Johnson.....	160,773	Mar. 16, 1875	501	163	7	435
Wind-wheel.....	J. M. Kauffmann.....	160,593	Mar. 9, 1875	320	168	7	464
Wind-wheel.....	J. J. Kimball.....	163,383	May 18, 1875	634	204	7	853
Wind-wheel.....	N. P. Mix.....	160,219	Feb. 23, 1875	937	307	7	333
Wind-wheel frame or turn-table.....	C. T. Edwards and G. H. Huntoon.....	163,057	May 11, 1875	316	107	7	796
Wind-wheel, Turbine.....	L. G. Fellner.....	168,009	Sept. 21, 1875	578	188	8	505
Windlass.....	M. G. Imbach.....	160,675	Mar. 9, 1875	383	130	7	413
Windlass.....	W. H. King.....	166,468	Aug. 10, 1875	289	86	8	247
Windlass.....	I. P. Mantou.....	169,182	Oct. 26, 1875	842	275	8	707
Windlass.....	F. S. Rowland.....	160,617	Mar. 9, 1875	335	113	7	406
Windlass and capstan.....	D. N. B. Coffin, jr.....	168,139	Sept. 28, 1875	735	232	8	533
Windlass for barrels, kegs, &c., Friction.....	A. D. Stout.....	170,203	Nov. 23, 1875	829	277	8	874
Windmill.....	S. M. Abbott.....	167,487	Sept. 7, 1875	92	29	8	419
Windmill.....	J. Q. Adams.....	167,050	Aug. 24, 1875	848	264	8	345
Windmill.....	W. H. Aldrich.....	165,292	July 6, 1875	134	40	8	27
Windmill.....	J. A. Allen.....	167,724	Sept. 14, 1875	314	100	8	458

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Windmill.....	J. M. Armour.....	161, 318	Mar. 30, 1875	1019-	333	7	521
Windmill.....	O. B. Blakeslee.....	160, 808	Mar. 16, 1875	580	189	7	446
Windmill.....	W. T. Burrows.....	163, 734	May 25, 1875	965	305	7	904
Windmill.....	A. O. Campbell.....	169, 890	Nov. 16, 1875	584	181	8	825
Windmill.....	M. Carter.....	170, 052	Nov. 16, 1875	720	{ 228 229	8	841
Windmill.....	J. D. Christie.....	166, 501	Aug. 10, 1875	315	95	8	251
Windmill.....	J. Cook.....	168, 881	Oct. 19, 1875	542	178	8	657
Windmill.....	W. F. Cornelius.....	170, 992	Dec. 14, 1875	324	107	8	1001
Windmill.....	M. Crossman.....	170, 063	Nov. 16, 1875	732	{ 232 233	8	846
Windmill.....	M. D. Cummins.....	170, 663	Dec. 7, 1875	8	3	8	952
Windmill.....	J. Cushman.....	163, 581	May 25, 1875	833	263	7	857
Windmill.....	G. Desbrough.....	164, 271	June 8, 1875	410	137	7	997
Windmill.....	E. Dewald.....	165, 715	July 20, 1875	578	{ 176 177	8	112
Windmill.....	C. H. Eggleston and W. M. Phelps	162, 636	Apr. 27, 1875	982	{ 315 316	7	724
Windmill.....	C. Gates.....	166, 982	Aug. 24, 1875	785	342	8	336
Windmill.....	M. Gore.....	162, 228	Apr. 20, 1875	593	194	7	667
Windmill.....	A. and W. Graf.....	160, 588	Mar. 9, 1875	309	105	7	402
Windmill.....	W. A. Guzman.....	165, 326	July 6, 1875	167	51	8	32
Windmill.....	J. Hall.....	162, 062	Apr. 13, 1875	421	{ 140 141	7	633
Windmill.....	A. N. Hollebeak.....	170, 564	Nov. 30, 1875	1231	387	8	929
Windmill.....	S. D. Hopkitts.....	158, 588	Jan. 12, 1875	227	76	7	55
Windmill.....	T. Kellogg.....	166, 011	July 27, 1875	876	270	8	165
Windmill.....	D. Lampson.....	170, 676	Dec. 7, 1875	20	6, 7	8	953
Windmill.....	G. Lauby.....	164, 923	June 29, 1875	1048	338	7	1106
Windmill.....	I. Lehmer.....	163, 669	May 25, 1875	908	288	7	897
Windmill.....	G. H. Lucas.....	160, 922	Mar. 16, 1875	627	204	7	452
Windmill.....	W. W. Marsh.....	163, 597	May 25, 1875	849	268	7	888
Windmill.....	J. M. May.....	168, 374	Oct. 11, 1875	259	84, 85	8	308
Windmill.....	J. McGovern.....	165, 013	June 29, 1875	1124	303	7	1115
Windmill.....	W. C. Nelson.....	169, 724	Nov. 9, 1875	404	{ 127 128	8	795
Windmill.....	J. C. Orniston and E. S. Seger.....	168, 917	Oct. 19, 1875	581	{ 191 192	8	663
Windmill.....	D. L. Osborn.....	170, 640	Nov. 30, 1875	1306	412	8	939
Windmill.....	A. T. Page.....	171, 630	Dec. 28, 1875	974	315	8	1104
Windmill.....	W. D. Parson.....	159, 207	Jan. 26, 1875	834	274	7	161
Windmill.....	A. and G. Raymond.....	160, 060	Feb. 23, 1875	805	264	7	314
Windmill.....	A. and G. Raymond.....	160, 953	Mar. 16, 1875	655	214	7	456
Windmill.....	R. N. Kockwell.....	165, 873	July 20, 1875	731	223	8	133
Windmill.....	G. F. Rounds.....	160, 237	Feb. 23, 1875	952	{ 312 313	7	336
Windmill.....	J. Sanders.....	165, 030	June 29, 1875	1137	367	7	1117
Windmill.....	P. Sheckler and H. W. Bolender	160, 620	Mar. 9, 1875	338	114	7	406
Windmill.....	A. H. Southwick.....	160, 794	Mar. 16, 1875	522	168	7	437
Windmill.....	L. E. Stephens and S. F. Shay.....	168, 294	Sept. 28, 1875	870	278	8	552
Windmill.....	D. C. Stover.....	165, 272	July 6, 1875	117	35	8	25
Windmill.....	W. F. Veber.....	171, 593	Dec. 28, 1875	924	{ 302 303	8	1098
Windmill.....	W. Walker.....	165, 634	July 13, 1875	491	150	8	85
Windmill.....	D. G. Webster.....	162, 724	Apr. 27, 1875	1084	344	7	736
Windmill.....	B. Weirich.....	164, 623	June 15, 1875	737	241	7	1050
Windmill.....	A. Willson.....	168, 950	Oct. 19, 1875	606	201	8	667
Windmill and watering apparatus.....	E. Richardson and P. Harkness.....	165, 505	July 13, 1875	371	110	8	67
Windmill attachment.....	H. Weld.....	167, 964	Sept. 21, 1875	538	172	8	499
Windmill-governor.....	W. L. Oliver.....	159, 768	Feb. 16, 1875	513	172	7	269
Windmill-power.....	W. E. Short.....	169, 051	Oct. 19, 1875	703	232	8	679
Window.....	J. A. Holmes.....	171, 479	Dec. 28, 1875	817	268	8	1083
Window.....	M. F. Lyons.....	164, 194	June 8, 1875	333	114	7	987
Window-head fastener.....	A. F. Werner.....	167, 267	Aug. 31, 1875	1019	317	8	375
Window-bracket hook.....	N. Plympton.....	160, 710	Mar. 9, 1875	418	130	7	417
Window-conservatory.....	J. T. Crawford.....	158, 656	Jan. 12, 1875	313	106	7	68
Window-frame.....	J. F. Ebert.....	166, 690	Aug. 17, 1875	499	152	8	286
Window-frame.....	E. Roth.....	165, 510	July 13, 1875	377	112	8	68
Window-platform.....	A. T. Large.....	165, 594	July 13, 1875	451	137	8	79
Window-scaffold.....	H. Kruger, jr.....	168, 401	Oct. 5, 1875	74	26	8	575
Window-scaffold.....	G. Roberts.....	170, 115	Nov. 16, 1875	782	248	8	852
Window-screen.....	A. A. Carter.....	167, 220	Aug. 31, 1875	1030	320	8	377
Window-screen.....	J. E. Chaso.....	167, 366	Sept. 7, 1875	5	2	8	49
Window-screen.....	G. W. Heinbach.....	167, 100	Aug. 24, 1875	901	281	8	357
Window-screen.....	J. Knowles.....	162, 391	Apr. 20, 1875	746	243	7	686
Window-screen.....	L. D. Lockwood.....	161, 419	Mar. 30, 1875	1117	361	7	533
Window-screen.....	S. Parker.....	164, 691	June 22, 1875	813	266	7	1068
Window-screen.....	H. B. Walbridge.....	169, 210	Oct. 26, 1875	662	281	8	710
Window-screen.....	H. B. Walbridge.....	170, 034	Nov. 16, 1875	702	222	8	842
Window-shade clasp or fastener.....	H. M. Wells.....	167, 810	Sept. 14, 1875	400	128	8	470
Window-shade fixture.....	C. de Quillfeldt.....	159, 803	Feb. 16, 1875	548	182	7	273
Window-shade fixture.....	L. C. Hoffmeister, jr.....	162, 653	Apr. 27, 1875	999	321	7	726
Window-shade roller.....	A. Roelefs.....	170, 401	Nov. 24, 1875	1077	336	8	898
Window-shutter.....	W. O. Conner.....	166, 218	Aug. 5, 1875	31	10	8	303
Window-sill.....	J. L. Rowland.....	160, 284	Mar. 2, 1875	25	10	7	252
Window-ventilator.....	S. W. Conch.....	159, 800	Feb. 16, 1875	546	182	7	272
Window-ventilator.....	G. Nicholson.....	160, 458	Mar. 2, 1875	181	63	7	374
Window-ventilator.....	G. Wagner.....	160, 066	Feb. 23, 1875	809	266	7	315
Window-washer.....	C. H. Smith.....	162, 318	Apr. 20, 1875	671	219	7	677
Windows, Dust-trap for bulk.....	S. A. Wight.....	161, 312	Mar. 23, 1875	997	326	7	510
Wire-cap-finishing machine.....	A. do Mestre.....	166, 076	July 27, 1875	935	289	8	173
Wire-cap-making machine.....	A. do Mestre.....	166, 075	July 27, 1875	934	289	8	173
Wire-cloth, Process for producing multicolored designs on.....	G. K. Hoffman.....	169, 640	Nov. 9, 1875	320		8	784
Wire fabric.....	G. S. Bracher.....	163, 448	May 18, 1875	689	220	7	861

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Wire fabric	A. C. Garrett	169,986	Nov. 16, 1875	662	208	8	836
Wire-feeding mechanism	R. L. Brewer	169,061	Oct. 26, 1875	751	245	8	694
Wire, Machine for indenting the surface of	T. T. Prosser	169,840	Nov. 9, 1875	523	163	8	899
Wire, Machine for screw-threading	L. Goddu	167,760	Sept. 14, 1875	351	112	8	463
Wire, Machine for threading and inserting	S. E. Shute, jr	170,689	Dec. 7, 1875	34	10	8	955
Wire, Manufacture of	W. L. Reynolds	159,610	Feb. 9, 1875	351	112	8	241
Wire-rolling machine	J. and S. Law	165,341	July 6, 1875	181	55	8	34
Wire-rope	F. W. Roebbling	171,634	Dec. 28, 1875	978	317	8	1105
Wire-stand	J. H. Bigelow	161,199	Mar. 23, 1875	883	290	7	495
Wire-straightening machine	C. P. S. Wardwell	166,953	Aug. 24, 1875	757	244	8	332
Wire, Strapping packages with	N. O. Hynson	170,953	Dec. 14, 1875	883	95	8	996
Wire-stretcher	H. Miles	165,019	June 29, 1875	1128	364	7	1116
Wire-twisting machine	A. De Mestre	162,042	Apr. 13, 1875	402	135	7	636
Wireway	A. A. Smith	159,973	Feb. 16, 1875	702	233	7	293
Wireway, Endless	A. S. Hallidie	162,915	May 4, 1875	162	53	7	768
Wood bales, Kindling	J. Rowbotham	167,124	Aug. 24, 1875	921	287	8	355
Wood-drier	J. M. Dick	167,074	Aug. 24, 1875	871	272	8	348
Wood-filling compound	H. L. Dorr and H. Seyfret	160,010	Feb. 23, 1875	760	251	7	308
Wood-polishing machine	S. G. Randall	159,216	Jan. 26, 1875	845	276	7	162
Wood-preserving apparatus	G. B. Smith	160,846	Mar. 16, 1875	562	182	7	443
Wood-preserving compound	P. Werni	164,766	June 22, 1875	898	298	7	1650
Wood, Press-plate for drying and bending	S. Swartz	170,915	Dec. 7, 1875	229	79	8	981
Wood, Process of preserving	L. S. Robbins	165,758	July 20, 1875	613	189	8	118
Wood-splitter	W. Latus	168,649	Oct. 11, 1875	331	107	8	619
Woods, Process of making imitation	G. V. Hann	166,000	July 27, 1875	566	187	8	163
Wooden box	C. Kosborg and A. Kawan	169,297	Oct. 26, 1875	949	307	8	721
Wooden box heads, Machine for making	E. Hersey	169,760	Nov. 9, 1875	382	120	8	793
Wooden boxes, Manufacture of	A. Robinson	159,042	Jan. 26, 1875	687	227	7	140
Wooden house	M. Rogers	163,888	June 1, 1875	44	15	7	936
Wooden mats, Making	J. M. Hall	163,966	June 1, 1875	122	41	7	948
Wooden pins, Machine for making	G. W. Conlee	164,526	June 15, 1875	657	212	7	1038
Wooden pins, Machine for making	S. S. Eskay	160,172	Feb. 23, 1875	895	295	7	338
Wool-mixing machine	S. R. Parkhurst	163,687	May 25, 1875	922	293	7	898
Wool, &c., to free them from impurities, Treating	O. Brann	162,749	May 25, 1875	960	317	7	903
Wool-washing machine	J. K. Proctor	163,249	May 11, 1875	493	160	7	818
Wool-washing machine	J. K. Proctor	163,250	May 11, 1875	494	160	7	818
Wool-washing machine	J. K. Proctor and C. R. Lindsay	163,251	May 11, 1875	495	161	7	819
Work-table	J. Cannon	169,653	Nov. 16, 1875	640	199	8	833
Work-table, Folding	B. Fairchild	164,824	June 22, 1875	937	303	7	1684
Wrapper	O. H. Moulton, A. M. Damon, and I. L. G. Rice	169,568	Nov. 2, 1875	229	75	8	765
Wrench:							
See Dynamic wrench.	Pipe and nut wrench.						
Gas-wrench.	Ratchet-wrench.						
Pipe-wrench.	Screw-wrench.						
Wrench	R. S. Battles	165,655	July 20, 1875	525	161	8	105
Wrench	O. T. Bedell	158,068	Jan. 12, 1875	297	101	7	66
Wrench	M. E. Campfield	166,587	Aug. 10, 1875	385	119	8	262
Wrench	T. F. Dunn	166,514	Aug. 10, 1875	326	99	8	253
Wrench	G. W. Freeman	161,022	Mar. 23, 1875	723	238	7	474
Wrench	I. W. Heysinger	164,453	June 15, 1875	595	193	7	1039
Wrench	R. Jack	169,812	Nov. 9, 1875	496	156	8	807
Wrench	B. F. Joslyn	170,089	Nov. 16, 1875	761	240	8	849
Wrench	B. F. Joslyn	170,860	Dec. 7, 1875	181	62	8	975
Wrench	A. B. Lipsey	169,557	Nov. 2, 1875	217	71	8	764
Wrench	R. H. McCormick and W. R. Baker	166,020	July 27, 1875	884	273	8	166
Wrench	J. H. Morrissey	167,012	Aug. 24, 1875	818	254	8	340
Wrench	J. Norton	164,867	June 22, 1875	979	316	7	1029
Wrench	H. Port	170,492	Nov. 30, 1875	1163	367	8	920
Wrench	S. E. Robinson	159,119	Jan. 26, 1875	757	249	7	150
Wrench	J. Rost	162,500	Apr. 27, 1875	873	279	7	710
Wrench	P. Samuel	166,814	Aug. 17, 1875	611	189	8	303
Wrench	H. R. Sloat	162,317	Apr. 20, 1875	671	219	7	677
Wrench	L. O. Veber	166,665	Aug. 10, 1875	457	140	8	271
Wrench	B. L. Walker	158,548	Jan. 5, 1875	171	58	7	33
Wrench	R. J. Welles	167,717	Sept. 14, 1875	308	98	8	457
Wrench	J. L. Whipple	160,981	Mar. 16, 1875	678	223	7	459
Wrench	E. Wiard	168,360	Oct. 5, 1875	38	14	8	570
Wrench-bars, &c., Die for forming	A. G. Coes	167,825	Sept. 21, 1875	424	135	8	482
Wringer:							
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Wringer	L. Becker	165,057	June 29, 1875	1161	374	7	1121
Wringer	H. A. Buck	168,716	Oct. 11, 1875	385	126	8	627
Wringer	T. H. Deckerson	168,727	Oct. 11, 1875	393	129	8	628
Wringer	A. W. and A. E. Hall	161,751	Apr. 6, 1875	163	56	7	592
Wringer	C. E. Haynes	166,459	Aug. 10, 1875	282	84	8	246
Wringer	T. E. McDonald	162,935	May 4, 1875	183	60	7	711
Wringer	D. W. Norris and N. E. Woods	167,015	Aug. 24, 1875	820	255	8	311
Wringer	M. A. Richardson	165,754	July 29, 1875	619	188	8	117
Wringer	J. Smith	170,121	Nov. 16, 1875	788	250	8	853
Wringer	J. A. Wilson	170,977	Dec. 14, 1875	309	103	8	999
Wringer-roll	R. W. Rexford	163,107	May 11, 1875	362	118	7	802
Wringing-machine	C. A. Eisenhart and E. E. Lauer	163,645	May 25, 1875	890	281	7	894
Wrought-iron-pipe joint	G. Lander	158,953	Jan. 19, 1875	579	192	7	106
Y.							
Yarn-beam	J. A. Gould	165,666	July 20, 1875	535	163	8	106
Yarn-exhibiting case	H. J. Millmann	165,018	June 29, 1875	1128	364	7	1116
Yarn, Machine for balling	L. C. Billings	163,978	July 27, 1875	846	260	8	161
Yarn-printing machine	J. Short	168,932	Oct. 19, 1875	593	196	8	665

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Yarn-sizing composition .....	J. W. Walters .....	168, 435	Oct. 5, 1875	100	.....	8	570
Yarn-spooling machine .....	A. M. Wade .....	168, 066	Sept. 21, 1875	649	206	8	514
Yarn, thread, &c., finishing machine .....	S. G. Rhodes, M. Shillito, and J. J. Speed .....	169, 374	Nov. 2, 1875	53	16	8	742
Yarn to set the twist, Treating .....	D. Wright .....	165, 779	July 20, 1875	634	195	8	120
Yarns, Method of manufacturing tufted .....	H. Bottomley .....	169, 139	Oct. 26, 1875	807	262	8	701
Yeast-compound .....	J. Pfeiffer .....	169, 474	Nov. 2, 1875	137	.....	8	754
Yoke coupling, Neck .....	N. E. Irish .....	167, 768	Sept. 14, 1875	362	115	8	464
Yoke, Horse .....	J. Boyer .....	170, 514	Nov. 30, 1875	1186	374	8	923
Yoke, Horse .....	R. Stratton and G. Olmstead .....	161, 988	Apr. 13, 1875	359	120	7	630
Yoke, Neck .....	C. R. Moon .....	162, 249	Apr. 20, 1875	611	199	7	669
Yoke, Neck .....	J. B. Relyea .....	159, 217	Jan. 26, 1875	846	276	7	162
Yoke, Neck .....	C. Shuman .....	169, 487	Nov. 2, 1875	148	48	8	755
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Zinc from its ores, Distilling .....	G. E. Moore .....	170, 760	Dec. 7, 1875	97	.....	8	963
Zinc, Process of making white oxide of .....	J. G. Trotter .....	163, 704	May 25, 1875	935	297	7	900

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Aquarium.....	J. W. Fiske.....	8, 058	Feb. 16, 1875	7	261
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Belt, Waist.....	W. G. Shimoneck.....	8, 652	Sept. 14, 1875	8	439
Bird-cage and hanging-basket hook.....	F. T. Fracker.....	8, 562	Aug. 10, 1875	8	241
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Boa.....	G. H. Prindle.....	8, 645	Sept. 7, 1875	8	463
Book or secretary case.....	H. S. Kerr.....	8, 741	Oct. 19, 1875	8	645
Boot and shoe webbing.....	J. A. Greene.....	8, 760	Oct. 26, 1875	8	689
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Bottle.....	E. R. Durkee.....	7, 988	Jan. 5, 1875	7	5
Bottle.....	G. Jaques.....	8, 708	Oct. 11, 1875	8	600
Bottle.....	G. C. Owens.....	8, 666	Sept. 28, 1875	8	521
Bottle.....	B. Simon.....	8, 849	Dec. 14, 1875	8	988
Bottle.....	J. Truax.....	8, 417	June 22, 1875	7	1057
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Bottle, Druggist's shop.....	W. R. Warner.....	8, 670	Sept. 28, 1875	8	521
Bottle, Mustard.....	J. Gulden.....	8, 207	Mar. 16, 1875	7	427
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Bottle, Perfumery.....	F. Storm.....	8, 227	Mar. 23, 1875	7	466
Bottle, Perfumery.....	G. Storm.....	8, 210	Mar. 16, 1875	7	427
Bouquet-holder or vase.....	J. Hoare.....	8, 187	Mar. 2, 1875	7	345
Box.....	J. H. England.....	8, 800	Nov. 23, 1875	8	862
Bracket.....	C. Hertz.....	8, 694	Oct. 5, 1875	8	561
Breastpin.....	L. S. Beals.....	8, 203	Mar. 9, 1875	7	387
Breastpin.....	L. S. Beals.....	8, 274	Apr. 20, 1875	7	651
Breastpin.....	L. S. Beals.....	8, 406	June 22, 1875	7	1056
Breastpin.....	S. Pfaelzer.....	8, 878	Dec. 28, 1875	8	1076
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Breastpin and pendant.....	L. S. Beals.....	8, 298	Apr. 27, 1875	7	791
Broom-heads, Neck of.....	C. Van Slyck and H. S. De Forest.....	8, 487	July 13, 1875	8	49
Brushes, Back of leather.....	W. H. Humphrey.....	8, 260	Apr. 13, 1875	7	610
Burial-casket.....	E. A. Field.....	8, 338	May 25, 1875	7	879
Burial-caskets, Ornament for.....	W. M. Reid.....	8, 335	May 18, 1875	7	837
Burner, Gas.....	M. Stewart.....	8, 490	July 20, 1875	8	951
Bust, (Shakespeare).....	W. Page.....	8, 688	Oct. 5, 1875	8	561
Button.....	J. R. Farrell.....	8, 791	Nov. 16, 1875	8	819
Button.....	J. R. Smith.....	8, 384	June 8, 1875	7	968
Button and stud, Sleeve.....	T. G. Brown.....	8, 811	Nov. 31, 1875	8	909
Buttons, Card of.....	G. P. Farmer.....	8, 443	June 29, 1875	7	1098
C.					
Calendar.....	J. E. Blythe.....	8, 740	Oct. 19, 1875	8	645
Can, &c., handle.....	H. Miller.....	8, 570	Aug. 17, 1875	8	281
Candlestick.....	W. H. Roby.....	8, 719	Oct. 19, 1875	8	645
Cane, &c., handle.....	T. R. Lovett.....	8, 662	Sept. 21, 1875	8	475
Cap.....	M. Isidor and F. Hein.....	8, 651	Sept. 14, 1875	8	439
Carbureter for gas-burners.....	M. B. Dyott.....	8, 048	Feb. 9, 1875	7	223
Card border, Pictorial.....	M. Bolton, jr.....	8, 693	Oct. 5, 1875	8	561
Cards, Pack of playing.....	J. D. D. Mortimer.....	8, 865	Dec. 21, 1875	8	1034
Carpet.....	R. Allan.....	7, 986	Jan. 5, 1875	7	5
Carpet.....	R. Allan.....	8, 045	Feb. 9, 1875	7	222
Carpet.....	R. Allan.....	8, 428	June 29, 1875	7	1098
Carpet.....	T. Barelay.....	8, 594	Sept. 7, 1875	8	403
Carpet.....	J. Barrett.....	8, 747	Oct. 26, 1875	8	689
Carpet.....	J. Barrett.....	8, 770	Nov. 9, 1875	8	776
Carpet.....	R. R. Campbell.....	7, 970	Jan. 5, 1875	7	5
Carpet.....	R. R. Campbell.....	8, 233	Mar. 30, 1875	7	516
Carpet.....	J. M. Christie.....	7, 977	Jan. 5, 1875	7	5
Carpet.....	J. M. Christie.....	8, 344	May 25, 1875	7	879
Carpet.....	J. M. Christie.....	8, 610	Sept. 7, 1875	8	403
Carpet.....	J. Fisher.....	8, 560	Aug. 10, 1875	8	241
Carpet.....	H. F. Goetze.....	8, 001	Jan. 12, 1875	7	48
Carpet.....	H. F. Goetze.....	8, 162	Feb. 23, 1875	7	302
Carpet.....	H. F. Goetze.....	8, 330	May 18, 1875	7	837
Carpet.....	H. F. Goetze.....	8, 144	June 29, 1875	7	1098
Carpet.....	H. F. Goetze.....	8, 598	Sept. 7, 1875	8	403

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Carpet	H. F. Goetze	8, 874-8, 875	Dec. 23, 1875	8	1076
Carpet	F. W. Green	8, 072	Feb. 23, 1875	7	302
Carpet	E. Guiraud	8, 237-8, 239	Mar. 30, 1875	7	516
Carpet	E. Guiraud	8, 599-8, 603	Sept. 7, 1875	8	403
Carpet	A. Heald	8, 197-8, 198	Mar. 9, 1875	7	387
Carpet	A. Heald	8, 208	Mar. 16, 1875	7	427
Carpet	A. Heald	8, 564-8, 566	Aug. 17, 1875	8	281
Carpet	A. Heald	8, 586-8, 589	Aug. 21, 1875	8	394
Carpet	O. Heimgke	8, 073-8, 106	Feb. 23, 1875	7	302
Carpet	O. Heimgke	8, 499-8, 523	July 27, 1875	8	148
Carpet	O. Heimgke	8, 677-8, 679	Oct. 5, 1875	8	560
Carpet	J. E. Hill and W. H. Deacon	8, 606	Sept. 7, 1875	8	403
Carpet	H. Horan	8, 107-8, 125	Feb. 23, 1875	7	302
Carpet	H. Horan	8, 524-8, 527	July 27, 1875	8	148
Carpet	H. Horan	8, 680-8, 684	Oct. 5, 1875	8	560
Carpet	W. Kerr	8, 590	Aug. 31, 1875	8	364
Carpet	J. C. G. Libert	8, 378	June 8, 1875	7	968
Carpet	A. Lilley	8, 607	Sept. 7, 1875	8	403
Carpet	C. S. Lilley	7, 983-7, 984	Jan. 5, 1875	7	5
Carpet	C. S. Lilley	8, 248	Mar. 30, 1875	7	516
Carpet	L. G. Malkin	8, 126-8, 131	Feb. 23, 1875	7	302
Carpet	L. G. Malkin	8, 528	July 27, 1875	8	148
Carpet	A. Martin	8, 333	May 18, 1875	7	837
Carpet	S. McDowell	8, 216	Mar. 23, 1875	7	466
Carpet	D. McNair	8, 249-8, 250	Mar. 30, 1875	7	516
Carpet	D. McNair	8, 608-8, 609	Sept. 7, 1875	8	403
Carpet	E. J. Ney	8, 132-8, 151	Feb. 23, 1875	7	302
Carpet	E. J. Ney	8, 335-8, 345	July 27, 1875	8	149
Carpet	E. J. Ney	8, 687	Oct. 5, 1875	8	560
Carpet	H. Nordmann	8, 152-8, 159	Feb. 23, 1875	7	362
Carpet	G. W. Piggott	7, 989-7, 991	Jan. 5, 1875	7	5
Carpet	A. Redfern	8, 160	Feb. 23, 1875	7	302
Carpet	A. Redfern	8, 062	Feb. 16, 1875	7	261
Carpet	A. Redfern	8, 218-8, 219	Mar. 23, 1875	7	466
Carpet	J. H. Smith	8, 167-8, 176	Feb. 23, 1875	7	302
Carpet	J. H. Smith	8, 546-8, 547	July 27, 1875	8	149
Carpet	W. H. Smith	8, 177-8, 179	Feb. 23, 1875	7	301
Carpet	W. H. Smith	8, 548-8, 549	July 27, 1875	8	149
Carpet	T. J. Stearns	8, 003	Jan. 12, 1875	7	48
Carpet	T. J. Stearns	8, 192	Mar. 2, 1875	7	345
Carpet	T. J. Stearns	8, 253	Mar. 30, 1875	7	516
Carpet	T. J. Stearns	8, 404-8, 405	June 15, 1875	7	1014
Carpet	T. J. Stearns	8, 457	July 6, 1875	8	4
Carpet	T. J. Stearns	8, 561	Aug. 10, 1875	8	241
Carpet	T. J. Stearns	8, 691	Oct. 5, 1875	8	561
Carpet	T. J. Stearns	8, 780	Nov. 9, 1875	8	776
Carpet	T. J. Stearns	8, 798	Nov. 16, 1875	8	819
Carpet	T. J. Stearns	8, 883	Dec. 28, 1875	8	1076
Carpet	C. W. Swapp	7, 985	Jan. 5, 1875	7	5
Carpet	C. W. Swapp	8, 252	Mar. 30, 1875	7	516
Carpet	C. W. Swapp	8, 637-8, 642	Sept. 7, 1875	7	403
Carpet	J. T. Webster	8, 027-8, 033	Jan. 26, 1875	7	133
Carpet	J. T. Webster	8, 467-8, 480	July 13, 1875	8	48
Carpet fastener, Head of stair	M. Krickl	8, 854	Dec. 21, 1875	8	1034
Carriage, Child's	L. B. Harrington	8, 664	Sept. 28, 1875	8	520
Cassimere	E. C. Clark	8, 418	June 22, 1875	7	1057
Cassimere	E. C. Clark	8, 821	Dec. 7, 1875	8	945
Cassimere fabric, Fancy	F. S. Bosworth	8, 263-8, 264	Apr. 13, 1875	7	610
Cassimere, Fancy	F. S. Bosworth	8, 007	Jan. 12, 1875	7	48
Cassimere, Fancy	F. S. Bosworth	8, 052	Feb. 9, 1875	7	223
Cassimere, Fancy	F. S. Bosworth	8, 315-8, 316	May 11, 1875	7	782
Cassimere, Fancy	F. S. Bosworth	8, 675-8, 676	Oct. 5, 1875	8	590
Cassimere, Fancy	W. A. Walton	8, 662	Oct. 5, 1875	8	561
Cassimere, Fancy	W. B. Weeden	8, 325	May 11, 1875	7	783
Cassimere, Fancy	W. B. Weeden	8, 592	Aug. 31, 1875	8	364
Cast	J. W. Fiske	8, 213-8, 214	Mar. 23, 1875	7	466
Castling	A. P. Reger	8, 649	Sept. 14, 1875	8	439
Center-piece	H. Berger	8, 492	July 20, 1875	8	95
Center-piece	S. Kellett	8, 013-8, 017	Jan. 19, 1875	7	93
Chain-link	D. A. Beam	8, 786	Nov. 9, 1875	8	777
Chain-link, Watch	E. E. Barrows	8, 785	Nov. 9, 1875	8	777
Chair	J. H. Hooper and T. Johnson	8, 554	Aug. 3, 1875	8	184
Chandelier	C. Hertz	8, 699	Oct. 5, 1875	8	561
Chandelier	F. R. Seidensticker	8, 042-8, 043	Feb. 2, 1875	7	181
Chandeliers, Bracket-cup for	J. Kintz	8, 053	Feb. 9, 1875	7	223
Chapeau-block	T. Agens and J. C. Post	8, 386	June 15, 1875	7	1013
Cigar-box	F. Hachuel and H. Norman	8, 497	July 27, 1875	8	148
Cigar-box	M. Hison	8, 657	Sept. 21, 1875	8	475
Cigar-box	M. Moll	8, 068	Feb. 16, 1875	7	261
Cigar-box	H. Zimmermann	8, 357	May 25, 1875	7	879
Cigar-lighter	F. R. Seidensticker	8, 880	Dec. 2, 1875	8	1076
Clip or fastener for suspending cards	G. W. McGill	8, 258	Apr. 6, 1875	7	564
Clip or fastener for suspending cards	G. W. McGill	8, 399	May 4, 1875	7	742
Clock and mirror frame, Combined	H. J. Davies	8, 019	Jan. 26, 1875	7	133
Clock-case	H. J. Müller	8, 742	Oct. 19, 1875	8	645
Clock-case	H. J. Müller	8, 789	Nov. 9, 1875	8	777
Clock-case	W. F. Müller	8, 557	Aug. 3, 1875	8	194
Clock-case door	L. E. Jerome	8, 569	Aug. 17, 1875	8	281
Clothing, Fabric for	E. C. Clark	8, 550-8, 553	July 27, 1875	8	149
Coat and hat hook	P. T. Fracker	8, 329	May 18, 1875	7	817
Coffee-mill	J. Girard	8, 597	Sept. 7, 1875	8	403
Coffin-handle	M. H. T. name	8, 395	June 15, 1875	7	1014
Coffin-handle	W. M. Smith	8, 199	Mar. 9, 1875	7	387
Coffin-handle base	W. M. Smith	8, 791	Nov. 9, 1875	8	777

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Coffin-handle socket.....	R. H. Burr.....	8,039	Feb. 2, 1875	7	181
Coffin-handle socket.....	J. R. Mackay.....	8,067	Feb. 16, 1875	7	261
Coffin-handle socket.....	G. Rogers.....	8,327	May 11, 1875	7	783
Coffin-handle-socket base.....	W. M. Smith.....	8,882	Dec. 28, 1875	8	1676
Coffin-handle tip.....	G. Rogers.....	8,709	Oct. 11, 1875	8	600
Coffin-plate.....	W. Parkin.....	8,448	June 29, 1875	7	1098
Coffin-plate.....	W. Parkin.....	8,453	July 6, 1875	8	4
Coffin-plate.....	C. B. Rogers.....	8,765	Nov. 2, 1875	8	729
Coffin-plate.....	W. M. Smith.....	8,056	Feb. 9, 1875	7	223
Collar and cuff box.....	L. Tioh.....	8,860	Dec. 21, 1875	8	1034
Comb.....	G. G. Miller.....	8,413	June 22, 1875	7	1056
Comb, Back.....	W. G. Shimonck.....	8,653	Sept. 14, 1875	8	439
Comb, Band.....	B. F. Bitton.....	8,867	Dec. 28, 1875	8	1076
Comb, Band.....	E. M. Drake.....	8,872	Dec. 28, 1875	8	1076
Crochet-pattern.....	W. Steinhaus.....	8,753-8,754	Oct. 26, 1875	8	689
Crochet-pattern.....	W. Steinhaus.....	8,781	Nov. 9, 1875	8	776
Cuff-button.....	E. S. Beals.....	8,312	May 4, 1875	7	742
Cutlery handle, Table.....	E. L. Brittin.....	8,896	Dec. 14, 1875	8	988
Cutlery, Table.....	J. D. Frary.....	8,817	Nov. 30, 1875	8	909
D.					
Dental-tool stand.....	S. S. White.....	8,193	Mar. 2, 1875	7	345
Desk.....	C. Richter.....	8,416	June 22, 1875	7	1057
Desk, Advertising.....	W. T. Bromwell.....	7,969	Jan. 5, 1875	7	5
Desk, Advertising.....	G. E. Carhart.....	8,008	Jan. 19, 1875	7	93
Desk, Advertising.....	J. S. Morgan.....	8,703	Oct. 5, 1875	8	561
Dinner, tea, and toilet sets, Handle for.....	C. F. Haviland.....	8,665	Sept. 28, 1875	8	520
Dish.....	S. B. Close.....	8,221	Mar. 23, 1875	7	466
Door-plate.....	J. Capron.....	8,759	Oct. 26, 1875	8	689
Drawer-pull.....	O. F. Fogelstrand.....	8,194	Mar. 9, 1875	7	387
Drawer-pull.....	E. J. Steele.....	8,712	Oct. 11, 1875	8	600
Drinking-fountain.....	J. W. Fiske.....	8,488	July 30, 1875	8	95
Drinking-fountain.....	W. Tweeddale.....	8,392	June 15, 1875	7	1014
Drinking-vessel.....	M. D. Connolly.....	8,302	Apr. 27, 1875	7	701
E.					
Electro-magnetic machine, Metal case for.....	W. H. Barnap.....	8,451	July 6, 1875	8	3
Embroidery-pattern.....	E. Crisand.....	8,265-8,268	Apr. 13, 1875	7	610
Embroidery-pattern.....	E. Crisand.....	8,318-8,320	May 11, 1875	7	782
Embroidery-pattern.....	E. Crisand.....	8,411-8,412	June 22, 1875	7	1056
Embroidery-pattern.....	E. Crisand.....	8,461	July 6, 1875	8	4
Embroidery-pattern.....	E. Crisand.....	8,572-8,573	Aug. 24, 1875	8	322
Embroidery-pattern.....	E. Crisand.....	8,705	Oct. 5, 1875	8	561
Embroidery-pattern.....	E. Crisand.....	8,795	Nov. 16, 1875	8	819
Embroidery-pattern.....	E. Crisand.....	8,828-8,829	Dec. 7, 1875	8	945
Embroidery-pattern.....	W. Steinhaus.....	8,721-8,739	Oct. 19, 1875	8	645
Embroidery-pattern.....	W. Steinhaus.....	8,749-8,752	Oct. 26, 1875	8	689
Embroidery, Pattern-sheet for.....	W. Steinhaus.....	8,825-8,826	Dec. 7, 1875	8	945
Envelope.....	R. Sneider.....	8,225-8,226	Mar. 23, 1875	7	466
Eraser, Rubber.....	C. Roberts.....	8,486	July 13, 1875	8	49
F.					
Fabric.....	E. C. Clark.....	8,636	Sept. 7, 1875	8	403
Fan.....	S. L. Barinds.....	8,578-8,580	Aug. 24, 1875	8	322
Fan.....	G. S. Farwell.....	8,305	May 4, 1875	7	742
Fan.....	B. Hecht.....	8,307	May 4, 1875	7	742
Fan.....	J. E. Langworthy.....	8,576	Aug. 24, 1875	8	322
Fan.....	N. Metz.....	8,364	June 1, 1875	7	926
Fan.....	E. W. Perry.....	8,310	May 4, 1875	7	742
Fan.....	C. Rowland.....	8,667-8,668	Sept. 28, 1875	8	520
Fan.....	H. B. Somner.....	8,654	Sept. 14, 1875	8	439
Finger-ring, &c., Ornamental.....	A. R. Lender.....	8,577	Aug. 24, 1875	8	322
Fire leg, Gas.....	T. N. Dixon.....	8,065	Feb. 16, 1875	7	261
Fire-place heater.....	P. Rollhaus, jr.....	8,567	Aug. 17, 1875	8	281
Flag.....	J. C. Deming.....	8,593	Aug. 31, 1875	8	364
Flag.....	W. A. Duff.....	8,873	Dec. 28, 1875	8	1076
Flower-stand.....	H. P. Roberts.....	8,783	Nov. 9, 1875	8	777
Fork and spoon handle.....	C. Osborne.....	8,069	Feb. 16, 1875	7	261
Fork and spoon handle.....	C. Osborne.....	8,166	Feb. 23, 1875	7	302
Fork and spoon handle.....	L. S. White.....	8,571	Aug. 17, 1875	8	281
Fork-handle.....	J. F. Fradley.....	8,369	June 1, 1875	7	926
Fountain.....	J. W. Fiske.....	8,186	Mar. 2, 1875	7	345
Fountain.....	W. Tweeddale.....	8,713	Oct. 11, 1875	8	610
Fulling-mill case, Side of.....	J. E. Hunter.....	7,982	Jan. 5, 1875	7	5
G.					
Game-board.....	C. G. Harger, jr.....	8,398	June 15, 1875	7	1014
Gasalier.....	C. Herter.....	8,605	Sept. 7, 1875	8	403
Gasalier.....	C. Herter.....	8,696-8,698	Oct. 5, 1875	8	561
Gasalier.....	C. Herter.....	8,748	Oct. 26, 1875	8	689
Gate.....	F. O. Hanson.....	8,853	Dec. 21, 1875	8	1034
Gate and panel.....	F. O. Hanson.....	8,852	Dec. 21, 1875	8	1034
Gauntlet.....	B. G. Shults.....	8,209	Mar. 16, 1875	7	427
Gauntlet-box.....	B. G. Shults.....	8,659	Sept. 21, 1875	8	475
Glass dish.....	J. S. and T. B. Atterbury.....	8,827	Dec. 7, 1875	8	945
Glass dish.....	G. W. Lowry.....	8,164-8,165	Feb. 23, 1875	7	302
Glass dish for table use.....	J. S. and T. B. Atterbury.....	8,450	July 6, 1875	8	3
Glass fruit-dish.....	G. E. Hatch.....	8,585	Aug. 31, 1875	8	364
Glass shade.....	T. B. Atterbury.....	8,866	Dec. 28, 1875	8	1076
Glass vessel.....	E. Finney.....	8,496	July 27, 1875	8	148
Glassware.....	H. Franz.....	8,764	Nov. 2, 1875	8	729

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Glassware.....	J. C. Gill.....	8, 663	Sept. 28, 1875	8	520
Glassware.....	G. E. Hatch.....	8, 286	Apr. 27, 1875	7	701
Glassware.....	W. Leighton, jr.....	8, 387	June 15, 1875	7	1013
Glassware.....	J. B. Lyon.....	8, 464	July 6, 1875	8	4
Glassware.....	F. S. Shirley.....	8, 824	Dec. 7, 1875	8	945
Glassware-base.....	J. B. Lyon.....	8, 465	July 6, 1875	8	4
Glove-box.....	M. D. Murray, Z. Gilbert, and L. Ostrom.....	8, 051	Feb. 9, 1875	7	223
Goblet.....	J. E. Miller.....	8, 291	Apr. 27, 1875	7	701
Grave-covering.....	I. G. Lunday and C. G. Anglin.....	8, 040	Feb. 2, 1875	7	151
Gridiron.....	W. P. Warren.....	8, 650	Sept. 14, 1875	8	439
H.					
Hat and fur box.....	H. F. Reinecke.....	8, 311	May 4, 1875	7	742
Head-light, Locomotive.....	T. S. Ray and C. T. Ham.....	8, 391	June 15, 1875	7	1013
Heel tread, Boot and shoe.....	F. Shaw.....	8, 259	Apr. 6, 1875	7	564
Hinge, Butt.....	E. J. Steele.....	8, 710	Oct. 11, 1875	8	600
Hinge, Cotlin.....	J. W. Vaughn.....	8, 809	Nov. 23, 1875	8	862
Hitching-post.....	L. Schaefer.....	8, 279	Apr. 20, 1875	7	651
Hobby-horse.....	A. Shoeninger.....	8, 743-8, 744	Oct. 19, 1875	8	645
I.					
Inkstand.....	B. Brower.....	8, 583	Aug. 31, 1875	8	364
Inkstand.....	B. Brower.....	8, 868-8, 869	Dec. 28, 1875	8	1076
Inkstand.....	E. Finney.....	8, 830	Dec. 7, 1875	8	945
Inkstand.....	O. F. Fogelstrand.....	8, 204	Mar. 9, 1875	7	387
Inkstand.....	G. E. Hatch.....	8, 831	Dec. 7, 1875	8	945
Inkstand.....	C. M. Jenckes.....	8, 716	Oct. 11, 1875	8	600
Inkstand.....	H. S. Kerr.....	8, 831	Dec. 7, 1875	8	945
Inkstand.....	H. Lee.....	8, 804	Nov. 23, 1875	8	862
Inkstand.....	S. J. Van Stavoren.....	8, 755	Oct. 26, 1875	8	689
Inkstand-base.....	B. Brower.....	8, 672	Sept. 28, 1875	8	521
Inkstand-base.....	J. V. Brower.....	8, 870	Dec. 28, 1875	8	1076
Inkstand-base.....	J. H. Johnson.....	8, 011	Jan. 19, 1875	7	93
Inkstand, Fountain.....	L. L. Tower.....	8, 385	June 8, 1875	7	968
Inkstand-support.....	C. Kitschelt.....	8, 359-8, 363	June 1, 1875	7	926
Inkstand-support.....	C. Kitschelt.....	8, 555-8, 556	Aug. 3, 1875	8	194
K.					
Knob, Door.....	B. Mallory.....	8, 772	Nov. 9, 1875	8	776
Knob-shank.....	A. E. Young.....	8, 491	July 20, 1875	8	95
L.					
Lamp.....	C. Herter.....	8, 701	Oct. 5, 1875	8	561
Lamp-bracket.....	F. R. Seidensticker.....	8, 041	Feb. 2, 1875	7	181
Lamp-chimney.....	F. S. Shirley.....	8, 848	Dec. 14, 1875	8	988
Lamp-pedestal.....	N. L. Bradley.....	8, 328	May 18, 1875	7	837
Lamp-pedestal.....	N. L. Bradley.....	8, 481	July 13, 1875	8	48
Lamp-post.....	W. Tweeddale.....	8, 356	May 25, 1875	7	879
Lamp post, Street.....	W. Tweeddale.....	8, 293-8, 297	Apr. 27, 1875	7	701
Lamp-shade.....	C. F. A. Hinrichs.....	8, 489	July 20, 1875	8	95
Lamp shade and chimney.....	T. B. Atterbury.....	8, 673	Oct. 5, 1875	8	560
Lantern.....	C. Herter.....	8, 706	Oct. 11, 1875	8	600
Lantern, Advertising.....	F. L. Pisch.....	8, 449	June 29, 1875	7	1082
Lantern and post, Street.....	R. B. Hewitt.....	8, 010	Jan. 19, 1875	7	93
Latch-handle.....	E. J. Steele.....	8, 711	Oct. 11, 1875	8	600
Letter or toy building-block.....	S. Lyman.....	8, 466	July 6, 1875	8	4
Loungo.....	J. B. Rohrer.....	8, 054-8, 055	Feb. 9, 1875	7	223
Lounge-back.....	G. Hartzell.....	8, 352-8, 354	May 25, 1875	7	879
M.					
Match-safe.....	O. F. Fogelstrand.....	8, 195-8, 196	Mar. 9, 1875	7	387
Match-safe.....	T. B. Harkins.....	8, 604	Sept. 7, 1875	8	403
Medal.....	H. G. Brace.....	8, 000	Jan. 12, 1875	7	48
Medal.....	W. B. Cunningham and P. Hill.....	8, 647	Sept. 14, 1875	8	439
Medal.....	J. C. Deming.....	8, 581	Aug. 24, 1875	8	322
Medal.....	T. R. Hartell.....	8, 285	Apr. 27, 1875	7	701
Medal.....	I. Y. Knight.....	8, 377	June 8, 1875	7	968
Medal.....	J. W. Lingg.....	8, 388	June 15, 1875	7	1013
Medal.....	J. H. Schreiner.....	8, 324	May 11, 1875	7	783
Medal.....	J. H. Schreiner.....	8, 365	June 1, 1875	7	926
Medal.....	I. Towusend.....	8, 366	June 1, 1875	7	926
Medal, Charm.....	C. H. Hershey.....	8, 331	May 18, 1875	7	837
Monument.....	A. Lingemann.....	8, 229-8, 230	Mar. 30, 1875	7	545
Monument.....	W. T. Price.....	8, 717	Oct. 11, 1875	8	600
Mop and brush holders, Jaw of.....	C. B. Clark.....	8, 661	Sept. 21, 1875	8	475
N.					
Neck-tie.....	R. R. Parker.....	8, 355	May 25, 1875	7	879
Necklace, Bead for.....	S. Cottle.....	8, 871	Dec. 28, 1875	8	1076
Newell-light.....	C. Herter.....	8, 700	Oct. 5, 1875	8	561
Newell-light.....	C. Herter.....	8, 707	Oct. 11, 1875	8	600
Newspaper-rack.....	H. Z. Baker.....	8, 373	June 8, 1875	7	968
Nubia.....	J. Phipps.....	8, 455-8, 456	July 6, 1875	8	4
O.					
Oil-cloth.....	J. Barrett.....	8, 273	Apr. 20, 1875	7	651
Oil-cloth.....	J. Hutchison.....	8, 399-8, 403	June 15, 1875	7	1014



Alphabetical list of designs—Continued

Invention or discovery.	Name of patentee.	No.	Date	Official Gazette.	
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Oil-cloth	H. Kagy	8,246-8,247	Mar. 30, 1875	7	516
Oil-cloth	C. T. and V. E. Meyer	8,021-8,024	Jan. 26, 1875	7	133
Oil-cloth	C. T. and V. E. Meyer	8,050	Feb. 9, 1875	7	225
Oil-cloth	C. T. and V. E. Meyer	8,188-8,190	Mar. 2, 1875	7	345
Oil-cloth	C. T. and V. E. Meyer	8,270-8,271	Apr. 13, 1875	7	610
Oil-cloth	C. T. and V. E. Meyer	8,422-8,425	June 22, 1875	7	1057
Oil-cloth	C. T. and V. E. Meyer	8,529-8,534	July 27, 1875	8	148
Oil-cloth	C. T. and V. E. Meyer	8,773-8,775	Nov. 9, 1875	8	149
Oil-cloth	C. T. and V. E. Meyer	8,856-8,859	Dec. 21, 1875	8	1034
Oil-cloth, Floor	J. Barrett	8,674	Oct. 5, 1875	8	560
Oil-cloth, Floor	C. T. and V. E. Meyer	8,805-8,807	Nov. 23, 1875	8	862
Oil-cloth, Floor	F. H. Randall	8,639	Oct. 5, 1875	8	561
Organ-case	J. R. Lomas	8,855	Dec. 21, 1875	8	1034
Organ case, Reed	J. R. Lomas	8,002	Jan. 12, 1875	7	48
Ornamental star	W. Martin	8,343	May 25, 1875	7	879
Overshoe	G. Watkinson	8,810	Nov. 23, 1875	8	862
P.					
Paper box	I. Birgé	8,845	Dec. 14, 1875	8	988
Paper-weight	O. F. Fogelstrand	8,205	Mar. 9, 1875	7	387
Paper-weight	H. Lee	8,482	July 13, 1875	8	49
Paper-weight	C. Rowland	8,808	Nov. 23, 1875	8	862
Paper, Writing	H. C. Bainbridge	8,200	Mar. 9, 1875	7	387
Paper, Writing	H. D. Cone	8,070-8,071	Feb. 23, 1875	7	302
Paper, Writing	H. D. Cone	8,452	July 6, 1875	8	4
Piano-forte leg	C. E. Hoffmeister	8,648	Sept. 14, 1875	8	491
Pianos, Metal frame in	C. F. T. Steinway	8,782	Nov. 9, 1875	8	777
Pickle and preserve jar	C. A. and E. Du Vivier	8,284	Apr. 27, 1875	7	700
Picture-frame	E. Beck and S. Bird	8,410	June 22, 1875	7	1056
Picture-frame	A. B. Dimmet	8,574	Aug. 24, 1875	8	322
Picture-frame	R. Minshull	8,877	Dec. 28, 1875	8	1076
Picture-frame corner-piece	C. P. Poinier	8,834	Dec. 7, 1875	8	946
Picture-frame molding	H. S. Searle	8,303	Apr. 27, 1875	7	701
Picture-mount	R. Trautmann	8,280	Apr. 20, 1875	7	651
Pipe	C. D. Grimm	8,656	Sept. 21, 1875	8	475
Pipe	A. J. D. Henszey	8,269	Apr. 13, 1875	7	610
Pitcher	T. B. Atterbury	8,232	Mar. 30, 1875	7	516
Pitcher	H. Vasseur	8,282	Apr. 20, 1875	7	651
Plated ware, Band for	R. Christescu	8,596	Sept. 7, 1875	8	403
Pocket-book frame	J. C. Hacker	8,049	Feb. 9, 1875	7	323
Pottery-ware dish	T. H. Copeland	8,442	June 29, 1875	7	1058
Pottery-ware dish	J. Coxon	8,276	Apr. 20, 1875	7	651
Printing or weaving silk or other fabrics	S. Huber	8,876	Dec. 28, 1875	8	1076
Programme, Dancing	P. Hake	8,582	Aug. 24, 1875	8	323
Pulley-sash	G. A. Blake	8,771	Nov. 9, 1875	8	776
Pump curb, Chain	H. L. Fry	8,396-8,397	June 15, 1875	7	1014
Pump, Steam and vacuum	D. A. Burr	8,495	July 27, 1875	8	148
R.					
Radiator pipe, Steam	G. W. Walker	8,792	Nov. 9, 1875	8	777
Range	N. S. Vedder	8,850	Dec. 14, 1875	8	988
Range	W. S. Whitman	8,568	Aug. 17, 1875	8	281
Range	G. G. Wolfe and F. Ritchie	8,767	Nov. 2, 1875	8	729
Range	H. A. Wood	8,394	June 15, 1875	7	1014
Range, Cooking	L. W. Harwood	8,009	Jan. 19, 1875	7	93
Range, Cooking	N. S. Vedder and T. S. Heister	7,996	Jan. 12, 1875	7	47
Range, Cooking	N. S. Vedder and T. S. Heister	8,838	Dec. 14, 1875	8	987
Range, Cooking	N. S. Vedder and F. Ritchie	8,025	Jan. 26, 1875	7	133
Range, Cooking	N. S. Vedder and F. Ritchie	8,367	June 1, 1875	7	926
Range, Cooking	G. A. Wells and E. J. Cridge	8,863	Dec. 21, 1875	8	1034
Range-plate	N. S. Vedder and T. S. Heister	8,393	June 15, 1875	7	1014
Reflector	C. M. March	8,262	Apr. 13, 1875	7	610
Rocking-chair	G. M. Harwood and R. Wood	8,163	Feb. 23, 1875	7	302
S.					
Safe, Provision	F. Northrup	8,704	Oct. 5, 1875	8	561
Salt-cellar	J. S. and T. B. Atterbury	8,220	Mar. 23, 1875	7	466
Satchel and bag handle tip	G. O. Monroe	8,788	Nov. 9, 1875	8	777
Satchel-handle tip	G. O. Monroe	8,776	Nov. 9, 1875	8	776
Saw frame, Bracket	H. L. Pratt	8,381	June 8, 1875	7	968
Scarf-ring	L. S. Beals	8,409	June 22, 1875	7	1056
Screw, Coffin	N. Hayden	8,277	Apr. 20, 1875	7	651
Screw, Coffin	C. B. Rogers	8,690	Oct. 5, 1875	8	561
Screw head, Coffin	R. H. Burr	8,037-8,038	Feb. 2, 1875	7	181
Screw head, Thumb	J. S. Ray	8,036	Feb. 2, 1875	7	181
Settee, Lawn	J. W. Fiske	8,801	Nov. 23, 1875	8	862
Shawl	H. Berg	8,643	Sept. 7, 1875	8	403
Shelf-bracket	E. J. Steele	8,762	Oct. 26, 1875	8	689
Shirt-bosom	C. H. Horsfall	8,715	Oct. 11, 1875	8	600
Shirt-front	V. H. Rothschild	8,835	Dec. 7, 1875	8	946
Shirt-fronts, &c. Border for	C. S. Vetter	8,228	Mar. 23, 1875	7	466
Shoe-upper front	C. Merritt	8,701	Oct. 26, 1875	8	689
Show-card for exhibiting vest-buttons	J. Field	8,180	Mar. 2, 1875	7	345
Show-case	W. H. Grove	8,787	Nov. 9, 1875	8	777
Show-case	W. H. Grove	8,802	Nov. 23, 1875	8	862
Show-case	J. Lehnbeuter and C. Claes	8,813-8,815	Nov. 30, 1875	8	909
Show-case and stand	L. Wiegel and J. Lehnbeuter	8,183-8,185	Mar. 2, 1875	7	345
Show-case and stand	J. Lehnbeuter	8,287-8,289	Apr. 27, 1875	7	701
Sign, Illuminating	F. McLewee	8,669	Sept. 28, 1875	8	521
Silk fabric	J. Coignet	8,358	June 1, 1875	7	926
Silk fabric	J. Coignet	8,584	Aug. 31, 1875	8	361

## Alphabetical list of designs—Continued.

Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Silver-ware, Ornamental border for	C. Osborne	8,414	June 22, 1875	7	1056
Skirt, Knitted	S. Wallis	8,745	Oct. 19, 1875	7	645
Smoking-pipe	I. Demuth	7,987	Jan. 5, 1875	7	5
Soda-water apparatus, Casing of	F. H. Shepherd and E. Schwab	8,008	Jan. 19, 1875	7	93
Soda-water apparatus, Casing of	F. H. Shepherd and E. Schwab	8,191	Mar. 2, 1875	7	345
Soda-water apparatus, Casing of	F. H. Shepherd	8,778-8,779	Nov. 9, 1875	8	776
Soda-water apparatus, Casing of	F. H. Shepherd	8,796-8,797	Nov. 16, 1875	8	819
Soda-water apparatus, Casing of	F. H. Shepherd	8,818-8,819	Nov. 30, 1875	8	909
Soda-water apparatus, Casing of	F. H. Shepherd	8,881	Dec. 28, 1875	8	1076
Spice-can	Z. R. Traver	8,063	Feb. 16, 1875	7	261
Spoon-handle	J. F. Fradley	8,370	June 1, 1875	7	926
Spoon or fork	C. Witteck	8,283	Apr. 20, 1875	7	651
Stair-cover	W. B. Gould	8,306	May 4, 1875	7	742
Stair-rod	W. T. Mersereau	8,217	Mar. 23, 1875	7	466
Statuary	J. Rogers	8,181-8,182	Mar. 2, 1875	7	341
Statuary	J. Rogers	8,720	Oct. 19, 1875	8	645
Statuary, Group of	H. W. Hirschfeld	8,332	May 18, 1875	7	837
Statuary, Group of	J. Rogers	8,879	Dec. 28, 1875	8	1076
Statue	D. Barscotti and V. Alluisi	8,211	Mar. 23, 1875	7	466
Stocking-leg	M. Landenberger, jr.	8,822	Dec. 7, 1875	8	945
Stool-pedestal	A. Merriam and C. L. Little	8,231	Mar. 30, 1875	7	516
Stool, Piano	G. W. Archer	8,440	June 29, 1875	7	1098
Stove	B. M. Anthony	8,272	Apr. 20, 1875	7	651
Stove	J. J. Bonuet	8,793	Nov. 16, 1875	8	819
Stove	W. Burrows	8,441	June 29, 1875	7	1098
Stove	W. Tweeddale	8,660	Sept. 21, 1875	8	475
Stove	J. Van Wormer and M. McGarvey	8,458	July 6, 1875	8	4
Stove	N. S. Vedder	8,337	May 18, 1875	7	837
Stove	N. S. Vedder	8,459	July 6, 1875	8	4
Stove	A. Wemyss	8,460	July 6, 1875	8	4
Stove, Base-burning	N. S. Vedder and T. S. Heister	8,837	Dec. 14, 1875	8	987
Stove, Base-burning	N. S. Vedder, T. S. Heister, and F. Ritchie	8,851	Dec. 14, 1875	8	988
Stove, Base-burning	N. S. Vedder, F. Ritchie, and T. S. Heister	8,005-8,006	Jan. 12, 1875	7	48
Stove-cover lifter	H. C. Brown	8,454	July 13, 1875	8	499
Stove-cover lifters, Handle for	J. M. Read	8,790	Nov. 9, 1875	8	777
Stove, Cooking	J. B. ownhack, T. J. March, J. Rogers, and M. Towers, jr.	8,718	Oct. 19, 1875	8	645
Stove, Cooking	R. A. Culler and D. C. Proctor	8,768	Nov. 2, 1875	8	739
Stove, Cooking	L. W. Harwood and John C. Smith	8,000	Jan. 26, 1875	7	133
Stove, Cooking	W. J. Keep	8,685	Oct. 5, 1875	8	561
Stove, Cooking	N. S. Vedder	8,836	Dec. 14, 1875	8	987
Stove, Cooking	N. S. Vedder and T. S. Heister	7,999	Jan. 13, 1875	7	48
Stove, Cooking	N. S. Vedder and T. S. Heister	8,035	Jan. 26, 1875	7	133
Stove, Cooking	N. S. Vedder and T. S. Heister	8,842	Dec. 14, 1875	8	988
Stove, Cooking	N. S. Vedder and F. Ritchie	8,844	Dec. 14, 1875	8	988
Stove, Cooking	N. S. Vedder, F. Ritchie, and T. S. Heister	8,004	Jan. 12, 1875	7	48
Stove, Cooking	N. S. Vedder, F. Ritchie, and T. S. Heister	8,026	Jan. 26, 1875	7	133
Stove, Cooking	G. A. Wells	8,044	Feb. 2, 1875	7	181
Stove, Cooking	G. A. Wells, N. S. Vedder, and T. S. Heister	8,864	Dec. 21, 1875	8	1034
Stove, Cooking	G. G. Wolfe, N. S. Vedder, and F. Ritchie	8,769	Nov. 2, 1875	8	729
Stove-door knob	J. F. Quimby	8,558	Aug. 3, 1875	8	194
Stove-doors, Ornamentation of	J. Van Wormer and M. McGarvey	8,436	June 22, 1875	7	1057
Stove, Franklin	N. S. Vedder and T. S. Heister	7,997	Jan. 12, 1875	7	47
Stove, Heating	J. V. B. Carter	8,374	June 8, 1875	7	968
Stove, Heating	W. C. Davis	8,563	Aug. 17, 1875	8	281
Stove, Heating	R. Scorer and R. Ham	8,483	July 13, 1875	8	49
Stove, Heating	G. Smith and H. Brown	8,336	May 18, 1875	7	837
Stove, Heating	N. S. Vedder and T. S. Heister	7,998	Jan. 12, 1875	7	48
Stove, Heating	N. S. Vedder and T. S. Heister	8,841	Dec. 14, 1875	8	988
Stove, Heating	N. S. Vedder, T. S. Heister, and F. Ritchie	8,840	Dec. 14, 1875	8	988
Stove, Illuminating base-burning	N. S. Vedder and T. S. Heister	8,839	Dec. 14, 1875	8	988
Stove, Parlor	N. S. Vedder and T. S. Heister	8,843	Dec. 14, 1875	8	988
Stove, Parlor	N. S. Vedder and F. Ritchie	8,861	Dec. 21, 1875	8	1034
Stove, Parlor	G. A. Wells and E. J. Cridge	8,862	Dec. 21, 1875	8	1034
Stove, Parlor	G. G. Wolfe, N. S. Vedder, and F. Ritchie	8,766	Nov. 2, 1875	8	729
Stove, Parlor cooking	N. S. Vedder and F. Ritchie	8,012	Jan. 19, 1875	7	93
Stove-plate	G. Smith and H. Brown	8,224	Mar. 23, 1875	7	466
Stove, Reservoir cooking	J. Dwyer	8,375	June 8, 1875	7	968
Stove, Reservoir cooking	J. Dwyer	8,462	July 6, 1875	8	4
Stud, Shirt	L. S. Beals	8,756-8,758	Oct. 26, 1875	8	689
T.					
Table-fork shank	J. W. Gardner	8,322	May 11, 1875	7	783
Table-knife handle	L. J. March	8,389	June 15, 1875	7	1013
Tablet, Writing	J. M. Quackenbos, jr.	8,382	June 8, 1875	7	968
Tea and coffee pot	J. D. Rice	8,372	June 1, 1875	7	926
Tea-caddy	W. T. Shorer	8,251	Mar. 30, 1875	7	516
Telegraph key	C. W. Lewis	8,342	May 25, 1875	7	879
Thermometer	C. Kitchelt	8,421	June 22, 1875	7	1057
Tobacco-bag	W. J. Cussen	8,816	Nov. 30, 1875	8	909
Tobacco-pipe	L. Nax and F. A. Kühn	8,777	Nov. 9, 1875	8	776
Tobacco-pipe stem	L. G. Hussmaun	8,493	July 20, 1875	8	95
Towel-rack	C. Ten Eyck	8,254	Mar. 30, 1875	7	516
Tuy	J. Stidham	8,292	Apr. 27, 1875	7	701
Toy-balloon	H. S. Korr	8,817	Dec. 14, 1875	8	988
Toy-bank	J. Hall	8,498	July 27, 1875	8	148

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Toy-chariot .....	E. R. Ives .....	8, 832	Dec. 7, 1875	8	945
Toy money-bank .....	C. W. Croteau .....	8, 635	Sept. 21, 1875	8	475
Toy money-box .....	T. A. Bailey .....	8, 257	Apr. 6, 1875	7	564
Toy money-box .....	J. G. Baker .....	8, 820	Dec. 7, 1875	8	945
Toy money-box .....	C. M. Ferguson and W. F. Gilbert .....	8, 321	May 11, 1875	7	782
Toy money-box .....	J. Murray and J. A. C. J. Smith .....	8, 716	Oct. 19, 1875	8	645
Trimming .....	C. Lindenthal .....	8, 823	Dec. 7, 1875	8	945
Trimming .....	G. H. Prindle .....	8, 646	Sept. 7, 1875	8	403
Trimming, Dress .....	S. Bernstein .....	8, 301	Apr. 27, 1875	7	701
Trimming, Dress .....	J. McLaughlin .....	8, 626	Oct. 5, 1875	8	560
Trumpet, Fireman's .....	F. J. Miller .....	8, 334	May 18, 1875	7	837
Trunks, Hat and bonnet holder for .....	J. Hall .....	8, 603	Nov. 23, 1875	8	862
Trunks, Metal sheet for covering .....	A. V. Romadka .....	8, 784	Nov. 9, 1875	8	777
Type, Font of printing .....	D. W. Bruce .....	7, 993	Jan. 12, 1875	7	47
Type, Font of printing .....	J. M. Conner .....	8, 313	May 4, 1875	7	742
Type, Font of printing .....	J. M. Conner .....	8, 317	May 11, 1875	7	782
Type, Font of printing .....	J. Herriet .....	7, 994	Jan. 12, 1875	7	47
Type, Font of printing .....	J. Herriet .....	7, 995	Jan. 12, 1875	7	47
Type, Font of printing .....	C. E. Heyer .....	8, 240-8, 244	Mar. 30, 1875	7	616
Type, Font of printing .....	C. E. Heyer .....	8, 376	June 8, 1875	7	968
Type, Font of printing .....	H. Ihlenburg .....	8, 308	May 4, 1875	7	742
Type, Font of printing .....	H. Ihlenburg .....	8, 314	May 4, 1875	7	742
Type, Font of printing .....	P. A. Jordan .....	8, 245	Mar. 30, 1875	7	516
Type, Font of printing .....	P. A. Jordan .....	8, 420	June 22, 1875	7	1057
Type, Font of printing .....	A. Little .....	8, 379	June 8, 1875	7	968
Type, Printing .....	J. M. Conner .....	8, 419	June 22, 1875	7	1057
Type, Printing .....	J. M. Conner .....	8, 714	Oct. 11, 1875	8	600
Type, Printing .....	J. Herriet .....	8, 454	July 6, 1875	8	4
Type, Printing .....	C. E. Heyer .....	8, 446-8, 447	June 29, 1875	7	1098
Type, Printing .....	H. Ihlenburg .....	8, 644	Sept. 7, 1875	8	403
Type, Printing .....	W. W. Jackson .....	8, 463	July 6, 1875	8	4
Type, Printing .....	A. Little .....	8, 485	July 13, 1875	8	49
Type, Printing .....	J. K. Rogers .....	8, 559	Aug. 3, 1875	8	194
<b>V.</b>					
Valise-lock .....	G. Bernheim .....	8, 304	May 4, 1875	7	742
Valves, Hand-wheel of .....	D. McLaughlin .....	8, 320	June 8, 1875	7	968
Vase .....	J. W. Fiske .....	6, 368	June 1, 1875	7	926
Vase .....	W. L. Libbey .....	8, 215	Mar. 23, 1875	7	466
Vase .....	C. F. Pike .....	8, 415	June 22, 1875	7	1057
Vase .....	A. Schiunk .....	8, 383	June 8, 1875	7	968
Vase .....	W. Tweeddale .....	8, 281	Apr. 20, 1875	7	651
Vase-handle .....	J. W. Fiske .....	8, 575	Aug. 24, 1875	8	322
Vase-pedestal .....	W. Tweeddale .....	8, 325	May 11, 1875	7	783
Vase-pedestals, Panel for .....	M. D. Jones .....	8, 341	May 25, 1875	7	879
Vases, Base-panel for .....	M. D. Jones .....	8, 339	May 25, 1875	7	879
Vases, Border for .....	M. D. Jones .....	8, 340	May 25, 1875	7	879
Wainscoting .....	J. Milne .....	8, 323	May 11, 1875	7	783
Wall-bracket .....	H. H. Peacock .....	8, 223	Mar. 23, 1875	7	466
Wall-pocket .....	J. C. Lamm .....	8, 702	Oct. 5, 1875	8	561
Watch-key .....	H. W. Bullock .....	8, 799	Nov. 23, 1875	8	862
Window-bracket .....	N. L. Bradley .....	8, 057	Feb. 16, 1875	7	261
Work-stand .....	M. S. Dnuu .....	8, 161	Feb. 23, 1875	7	302
Worsted or woolen fabric, Fancy .....	A. Jewell .....	8, 658	Sept. 21, 1875	8	475

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A.							
Annunciator and fire-alarm, Hotel.....	E. A. Hill.....	6, 375	Aug. 3, 1875	254	76, 77	8	235
Annunciator and fire-alarm, Hotel.....	E. A. Hill.....	6, 376	Aug. 3, 1875	256	77	8	235
Annunciator and fire-alarm, Hotel.....	E. A. Hill.....	6, 377	Aug. 3, 1875	258	77, 78	8	235
Annunciator, Electric.....	G. W. Shawk.....	6, 381	Aug. 3, 1875	267	79	8	236
Annunciator, Electro-magnetic.....	E. Gray.....	6, 385	Dec. 28, 1875	987	319	8	1106
Annunciator, Self-closing.....	E. Axthelm.....	6, 399	Apr. 27, 1875	1094	{ 346 347 }	7	737
Apron supporter and page.....	W. H. Chipley.....	6, 310	Mar. 2, 1875	223	77	7	381
Atomizer.....	C. P. James.....	6, 345	Mar. 23, 1875	1011	330	7	512
Axle box, Car.....	A. A. Freeman.....	6, 449	May 23, 1875	1060	335	7	917
Axle box, Railway.....	J. N. Smith.....	6, 487	June 15, 1875	749	245	7	1052
Axle-turning machine.....	W. H. Heffley.....	6, 615	Aug. 24, 1875	658	299	8	360
B.							
Bale-tie.....	J. S. Carson.....	6, 468	June 1, 1875	212	74	7	959
Baling-press.....	L. Dodge.....	6, 242	Jan. 19, 1875	650	213	7	127
Barrel.....	A. Wyckoff.....	6, 814	Dec. 21, 1875	788	260	8	1070
Barrel-machine.....	A. Wyckoff.....	6, 813	Dec. 21, 1875	787	260	8	1070
Barrels, Manufacture of.....	D. Phillips and W. Reid.....	6, 699	Oct. 11, 1875	492	159	8	642
Bearings, Anti-friction compound for.....	L. W. Lathrop and T. A. Weber.....	6, 748	Nov. 16, 1875	830		8	858
Bed-bottom.....	P. C. Hard.....	6, 436	May 18, 1875	810	256	7	876
Bed-bottom.....	S. Pearson.....	6, 204	Jan. 5, 1875	186	64	7	355
Bed-bottom.....	E. W. Tucker.....	6, 338	Mar. 16, 1875	692	227	7	462
Bed-bottom, Spring.....	J. L. Branson and A. Juergens.....	6, 418	May 4, 1875	250	50, 81	7	780
Bedstead-fastening.....	W. H. Elliot.....	6, 447	May 25, 1875	1058	334	7	916
Bedstead, Invalid.....	J. Crosby.....	6, 790	Dec. 7, 1875	258	86	8	984
Bee-hive.....	E. Gerry.....	6, 499	June 22, 1875	1014	{ 327 328 }	7	1003
Bell, Door.....	H. A. Dierkes.....	6, 548	July 20, 1875	767	235	8	139
Belt-shifter.....	W. H. H. Sisum.....	6, 496	June 22, 1875	1011	327	7	1003
Billiard-table.....	H. W. Collender.....	6, 469	June 1, 1875	212	75	7	959
Bird-cages, Metallic mat for.....	O. Lindemann.....	6, 231	Jan. 12, 1875	402	135	7	80
Bit-brace.....	C. H. Stockbridge.....	6, 350	Mar. 23, 1875	1017	331	7	512
Bit-stock.....	C. B. Rose.....	6, 212	Jan. 5, 1875	196	66	7	36
Blackboard-rubber.....	W. Y. Conklin.....	6, 797	Dec. 14, 1875	537	177	8	1029
Blower, Rotary pressure.....	B. Pruett.....	6, 481	June 8, 1875	498	164	7	1008
Boiler-feeder, Automatic.....	S. Cook.....	6, 768	Nov. 30, 1875	1316	416	8	941
Boiler-tube cleaner.....	C. Schmandt.....	6, 482	June 8, 1875	499	164	7	1009
Bolt-heading machine.....	T. Hull and N. Thomas.....	6, 747	Nov. 16, 1875	828	200	8	853
Bolts, Manufacture of.....	W. J. Clarke.....	6, 291	Feb. 16, 1875	729	242	7	297
Boot and shoe.....	T. Powell.....	6, 522	June 29, 1875	1252	402	7	1131
Boot and shoe.....	W. F. Prussia and E. L. Wales.....	6, 421	May 4, 1875	253	82	7	780
Boot and shoe counter stiffener.....	J. L. Hatch.....	6, 531	July 6, 1875	257	76	8	43
Boot and shoe leather crimping machine.....	S. W. Jamison.....	6, 515	June 29, 1875	1254	403 <sup>8</sup>	7	1135
Boot and shoe stiffenings, Apparatus for crimping.....	J. W. Hatch.....	6, 319	Mar. 9, 1875	447	143	7	421
Boot and shoe tip.....	H. W. Merrill and J. W. Hoyt.....	6, 762	Nov. 23, 1875	1100	345	8	904
Boot, Gaiter.....	C. Hersomo.....	6, 328	Mar. 9, 1875	459	151	7	422
Boot, &c., seam.....	S. A. Brackett and W. W. Whitcomb.....	6, 277	Feb. 9, 1875	470	157	7	258
Boots and shoes, Machine for making wooden shanks for.....	W. N. Sprague.....	6, 828	Dec. 28, 1875	952	320	8	1106
Boots and shoes, Machine for screwing uppers onto soles of.....	C. Tyson.....	6, 483	June 8, 1875	500	{ 164 165 }	7	1009
Boots and shoes, Manufacture of.....	J. L. Joyce.....	6, 480	June 8, 1875	497	164	7	1008
Bottle, Nursing.....	M. S. Burr.....	6, 009	Dec. 21, 1875	783	259	8	1070
Brick-kiln.....	S. D. Rader.....	6, 380	Apr. 13, 1875	439	164	7	648
Bridge, Iron.....	J. B. Eads.....	6, 444	May 23, 1875	1054	333	7	916
Bridge, Iron.....	J. B. Eads.....	6, 445	May 23, 1875	1056	334	7	916
Bridge, Iron.....	J. B. Eads.....	6, 449	May 23, 1875	1058	334	7	916
Bridle-bit.....	B. L. Rowley.....	6, 656	Sept. 21, 1875	667	212	8	516
Broom-machine.....	H. Anderson and J. S. Houghton.....	6, 275	Feb. 9, 1875	468	157	7	258
Brush-holder.....	C. B. Clark.....	6, 731	Nov. 9, 1875	568	177	8	815
Brush, Sponge.....	H. S. Kerr.....	6, 692	Oct. 11, 1875	485	157	8	641
Buckle and ring, Rubber-coated.....	R. C. Dumbam.....	6, 279	Feb. 9, 1875	472	158	7	258
Buckle, Suspender.....	A. Shenfield.....	6, 474	June 1, 1875	219	76	7	900
Burner, Argand gas.....	C. D. Gervin.....	6, 769	Nov. 30, 1875	1319	416	8	941
Burner, Argand gas.....	E. P. Gleason.....	6, 491	June 23, 1875	1006	325	7	1092
Burner, Argand gas.....	E. R. Walker.....	6, 453	May 23, 1875	1063	336	7	917
Burner, Lamp.....	A. Tappin.....	6, 650	Sept. 21, 1875	662	210	8	516
Burner, Refuse.....	W. Glue.....	6, 479	June 8, 1875	496	163	7	1008
Burners, Lens attachment for gas.....	M. C. Meigs.....	6, 373	Apr. 13, 1875	492	{ 162 163 }	7	647
Buttoner, Shoe and glove.....	G. Stackpole.....	6, 523	June 29, 1875	1253	403	7	1134
C.							
Candle-holder.....	C. Kirebhof.....	6, 805	Dec. 14, 1875	546	179	8	1030
Canes, &c., Bone handle for.....	J. Harvey.....	6, 513	June 29, 1875	1244	400	7	1133
Caoutchouc, Artificial.....	A. G. Day.....	6, 707	Oct. 19, 1875	734		8	684
Caoutchouc, Process for forming artificial.....	A. G. Day.....	6, 708	Oct. 19, 1875	735		8	684
Car-brake.....	A. F. Gue.....	6, 411	May 4, 1875	245	79	7	779

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Car-brake	S. G. Howe	6, 724	Nov. 2, 1875	278	90	8	772
Car-coupling	J. Outland and R. P. Thomas	6, 539	July 13, 1875	510	156	8	87
Car-coupling	J. Singer	6, 752	Nov. 16, 1875	833	261	8	858
Car-coupling	W. F. Siarr	6, 440	May 18, 1875	814	257	7	876
Car heater, Railway	E. H. Ashcroft	6, 652	Sept. 21, 1875	664	210	8	516
Car-hoof	A. P. Winslow	6, 401	Apr. 27, 1875	1098	347	7	738
Car, Safety passenger	J. T. Worley	6, 375	Apr. 13, 1875	494	163	7	647
Car, Sleeping	B. Field and G. M. Pullman	6, 648	Sept. 21, 1875	658	209	8	515
Car, Sleeping	E. Wheeler	6, 651	Sept. 21, 1875	662	210	8	516
Car, Spring	J. C. Pickles	6, 321	Mar. 9, 1875	450	149	7	421
Car, Street	J. Stephenson	6, 427	May 11, 1875	545	174	7	826
Car, Street	J. Stephenson	6, 428	May 11, 1875	546	174	7	826
Car, Street	J. Stephenson	6, 429	May 11, 1875	547	175	7	826
Car, Street	J. Stephenson	6, 696	Oct. 11, 1875	485	158	8	641
Car, Street	J. Stephenson	6, 697	Oct. 11, 1875	486	159	8	642
Carbolic acid, Manufacture of liquid	H. Beims	6, 220	Jan. 12, 1875	391	127	7	79
Carbureter, Automatic feed and absorption	W. H. Covell	6, 754	Nov. 23, 1875	1091	343	8	902
Carbureting apparatus	E. J. Fraser	6, 376	Apr. 13, 1875	495	163	7	647
Carbureting apparatus, Air	D. Bickford	6, 431	May 18, 1875	803	254	7	877
Carding-engine for making bats for felted fabrics	H. J. and W. D. Davies	6, 432	May 18, 1875	804	254	7	875
Carpet-lining	J. M. Perkins	6, 795	Dec. 14, 1875	536	181	8	1028
Carriage-axle	A. E. Smith	6, 694	Oct. 11, 1875	486	158	8	641
Carriage-axle	A. E. Smith	6, 695	Oct. 11, 1875	487	158	8	641
Carriage, Child's	R. G. Elder	6, 657	Sept. 28, 1875	887	283	8	555
Carriage, Child's	W. Stewart	6, 533	July 20, 1875	774	237	8	140
Carriage-step	G. A. Keene	6, 329	Jan. 12, 1875	400	134	7	80
Cartridge-cases, Machine for necking	B. Payne	6, 520	June 29, 1875	1250	402	7	1134
Cartridge-cases, Necking	B. Payne	6, 521	June 29, 1875	1252	402	7	1134
Carving and ornamenting wood-work, Machine for	M. T. Bault	6, 572	Aug. 3, 1875	251	76	8	234
Casket-handle	C. Strong	6, 497	June 22, 1875	1013	327	7	1093
Caster, Sewing-machine	L. O. Allen	6, 269	Feb. 2, 1875	241	79	7	218
Casting mold-boards	J. Oliver	6, 642	Sept. 14, 1875	410	131	8	472
Cement tank, Asphaltic	T. New	6, 683	Oct. 5, 1875	226	74	8	596
Cement tank, Asphaltic	T. New	6, 684	Oct. 5, 1875	227	74	8	596
Chain, Drive	W. D. Ewart	6, 387	Apr. 20, 1875	811	263	7	694
Chair-back-molding machine	J. Lemman	6, 312	Mar. 2, 1875	226	77	7	381
Chill for casting mold-boards	J. Oliver	6, 647	Sept. 14, 1875	415	132	8	472
Cider-mill	E. Curtiss	6, 799	Dec. 14, 1875	539	177	8	1029
Cider-mill	S. Males	6, 504	June 22, 1875	1020	329	7	1094
Cigar-box	C. A. Siecke	6, 458	May 25, 1875	1069	337	7	918
Cigar-mold	J. Charter	6, 758	Nov. 23, 1875	1095	344	8	903
Cigar-mold	F. C. Miller	6, 662	Sept. 28, 1875	894	285	8	555
Cigar-mold	J. Prentice	6, 210	Jan. 5, 1875	193	66	7	36
Clock-dial	S. E. Root	6, 580	Aug. 3, 1875	266	79	8	256
Cloth-cutting machine	A. Warth	6, 238	Jan. 19, 1875	639	212	7	127
Clutch, Machine	A. B. Beau	6, 215	Jan. 12, 1875	385	131	7	78
Clutch, Machine	A. B. Beau	6, 791	Dec. 14, 1875	530	175	8	1028
Coal screen and chute	M. R. Roberts	6, 211	Jan. 5, 1875	194	66	7	36
Coating metals with metal	I. Adams, jr.	6, 313	Mar. 2, 1875	228	78	7	381
Coating metals with metal	I. Adams, jr.	6, 402	Apr. 27, 1875	1100	348	7	738
Cock for locomotives, &c., Cylinder	C. H. Hopkins	6, 464	June 1, 1875	205	73	7	958
Cock, Globe	J. Powell	6, 527	July 6, 1875	248	75	8	42
Compass, Mariner's	E. S. Ritchie	6, 607	Aug. 24, 1875	946	{ 295 } { 256 } { 319 } { 320 }	8	353
Compass, Mariner's	E. S. Ritchie	6, 827	Dec. 28, 1875	989	{ 320 } { 286 }	8	1106
Connecting-rod	J. F. Haskins	6, 255	Jan. 26, 1875	880	286	7	167
Copying-press	W. U. Fairbairn	6, 365	Apr. 6, 1875	233	78	7	101
Corset	L. H. Foy	6, 448	May 25, 1875	1059	{ 334 } { 335 }	7	917
Cotton-jack	M. J. Walsb.	6, 559	July 27, 1875	1 44	321	8	188
Cotton-presses, Hydraulic attachment for	S. Hughes	6, 667	Sept. 22, 1875	898	{ 286 } { 287 }	8	556
Covered jar	W. C. King	6, 222	Jan. 12, 1875	393	132	7	79
Crimping-machine	S. W. Jamison	6, 526	June 29, 1875	1258	403	7	1135
Cultivator	R. M. Melton	6, 379	Apr. 13, 1875	498	164	7	648
Curry-comb	W. E. Lawrence	6, 605	Aug. 24, 1875	945	295	8	358
Curry-comb	C. W. Salladee	6, 788	Dec. 7, 1875	256	86	8	984
Cutter-head	C. P. Randolph	6, 717	Oct. 26, 1875	985	319	8	726
D.							
Dental engine	W. W. Evans	6, 677	Oct. 5, 1875	221	72	8	595
Dental hammer	J. C. Dean	6, 817	Dec. 21, 1875	790	261	8	1071
Dental plate	D. M. Lamb	6, 633	Sept. 7, 1875	201	63	8	434
Dental plate	D. M. Lamb	6, 634	Sept. 7, 1875	202	63	8	434
Diaper-piu	L. W. Stewart	6, 698	Oct. 11, 1875	491	159	8	642
Door	W. C. Hurd	6, 549	July 20, 1875	768	235	8	139
Door-hanger	J. Lumbert	6, 735	Nov. 9, 1875	573	178	8	816
Drawing-book	A. Forbriger	6, 271	Feb. 2, 1875	214	79	7	218
Drum, Stove-pipe	E. S. Blake	6, 720	Nov. 2, 1875	273	88	8	774
E.							
Egg-beater	T. Earle	6, 542	July 13, 1875	517	{ 157 } { 158 }	8	88
Egg stand and boiler	E. P. Woods and D. Sherwood	6, 622	Sept. 7, 1875	200	63	8	434
Ejector, Water	H. Coll	6, 739	Nov. 23, 1875	1036	345	8	903
Electro-magnetic house-alarm	W. Whiting	6, 599	Aug. 17, 1875	711	{ 221 } { 222 }	8	317
Envelope	R. S. Jennings	6, 820	Dec. 21, 1875	795	262	8	1071
Envelope-machine	J. Ball	6, 540	July 13, 1875	511	{ 156 } { 157 }	8	87
Envelopes, Manufacture of	J. Ball	6, 621	Aug. 31, 1875	1171	369	8	397
Eraser-holder and pencil-point protector	L. L. Tower	6, 766	Nov. 23, 1875	1104	346	8	904

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Eraser-holder and pencil-point protector.....	L. L. Tower.....	6,767	Nov. 23, 1875	1105	347	8	904
Explosive compound.....	C. A. and I. S. Browne.....	6,564	July 27, 1875	1048	.....	8	189
Explosive compound.....	R. Cahuc.....	6,601	Aug. 7, 1875	716	.....	8	318
Explosive compound.....	C. Dittmar.....	6,645	Sept. 14, 1875	412	.....	8	472
Eyelet.....	T. Garrick.....	6,512	June 29, 1875	1243	400	7	1132
Eyelets, Manufacture of.....	E. Parker.....	6,426	May 11, 1875	544	173	7	826
Eyecleting-machine.....	J. E. Wiggin.....	6,489	June 15, 1875	753	246	7	1052
F.							
Fare-box.....	H. Trapper.....	6,689	Oct. 11, 1875	481	{ 156 157 }	8	640
Faucet.....	J. G. Bickel.....	6,394	Apr. 25, 1875	821	265	7	695
Faucet.....	C. A. Douglas.....	6,701	Oct. 19, 1875	726	239	8	683
Faucet, Measuring.....	F. C. Heiser.....	6,722	Nov. 2, 1875	276	89	8	771
Fence, Farm.....	L. E. Hogue.....	6,368	Apr. 6, 1875	236	78	7	602
Fence, Iron.....	J. B. Wickersham.....	6,885	Oct. 5, 1875	229	74	8	596
Fences, Device for tightening wire.....	P. S. Crawford.....	6,546	July 20, 1875	766	234	8	138
Finger-ring-box cushions, Machine for making.....	B. L. Dennison.....	6,780	Dec. 7, 1875	244	83	8	983
Fire-alarm apparatus, Electro-magnetic.....	M. G. Farmer.....	6,244	Jan. 19, 1875	654	214	7	128
Fire-arm, Revolving.....	B. H. Williams.....	6,569	Aug. 3, 1875	247	75	8	234
Fire-extinguisher.....	E. H. Ashcroft.....	6,653	Sept. 21, 1875	665	211	8	516
Fire-extinguisher.....	H. S. Parmelee.....	6,257	Jan. 26, 1875	882	286	7	167
Fire-kindler.....	J. D. Husbands, jr.....	6,246	Jan. 19, 1875	661	215	7	128
Fire-kindler.....	W. C. Philbrick.....	6,472	June 1, 1875	217	76	7	959
Fire-place heater.....	W. L. Phillips.....	6,233	Jan. 12, 1875	404	136	7	80
Flask and bottle.....	W. T. Fry.....	6,613	Aug. 24, 1875	957	298	8	360
Flour-bolt.....	G. T. and A. Smith.....	6,619	Aug. 24, 1875	663	200	8	360
Flour-bolting machine.....	W. F. Cochrane.....	6,594	Aug. 17, 1875	704	219	8	316
Flour-bolting machine.....	W. F. Cochrane.....	6,595	Aug. 17, 1875	706	219	8	316
Flower-maker's grass-cutting machine.....	T. and J. Millet.....	6,297	Feb. 16, 1875	740	246	7	298
Fly-trap.....	J. M. Harper.....	6,493	June 22, 1875	1007	325	7	1093.
Fly-trap.....	J. Parker.....	6,811	Dec. 21, 1875	785	260	8	1070
Folding chair.....	P. Born.....	6,215	Dec. 21, 1875	788	261	8	1070
Folding chair.....	A. D. Whitmore.....	6,711	Oct. 19, 1875	740	242	8	684
Forging metallic sockets, Machine for.....	G. Fitch and P. Shafer.....	6,404	Apr. 27, 1875	1101	348	7	738
Falling-mill.....	R. Eickemeyer.....	6,358	Mar. 30, 1875	1287	414	7	555
Funnel, Bung.....	J. Buck.....	6,784	Dec. 7, 1875	250	84	8	983
Furnace.....	W. E. Haxton.....	6,503	June 22, 1875	1019	329	7	1094
Furnace for burning edgings, sawdust, &c.....	I. O. Smith.....	6,600	Aug. 17, 1875	715	222	8	317
Furnaces, Straw-feeding attachment for.....	D. Morey.....	6,420.	May 4, 1875	252	81	7	780
G.							
Gas from petroleum, Making illuminating.....	W. C. Wren and W. Barker.....	6,568	July 27, 1875	1055	324	8	190
Gas generator, Carbonic-acid.....	O. Zwiatusch.....	6,227	Feb. 9, 1875	480	{ 160 161 }	7	260
Gas light and pressure indicator.....	W. W. Goodwin.....	6,254	Jan. 26, 1875	879	286	7	167
Gas-lighting by electricity.....	S. Gardiner, jr.....	6,377	Apr. 13, 1875	496	164	7	647
Gas-meter register.....	H. H. Edgerton.....	6,253	Jan. 26, 1875	878	285	7	167
Glove.....	S. J. Clute and D. M. Durfee.....	6,352	Mar. 30, 1875	1289	411	7	554
Grain-cleaning machine.....	G. E. Throop.....	6,629	Sept. 7, 1875	197	62	8	433
Grain-drill.....	C. E. Patric.....	6,274	Feb. 2, 1875	246	60	7	218
Grain-drier.....	R. S. Reynolds.....	6,361	Mar. 30, 1875	1282	{ 414 415 }	7	556
Grain-drier.....	J. B. Wheeler.....	6,307	Feb. 23, 1875	971	320	7	330
Grain-elevator.....	H. A., P. F., and E. D. Chase.....	6,527	Jan. 12, 1875	395	134	7	79
Grain-elevator.....	H. A., P. F., and E. D. Chase.....	6,228	Jan. 12, 1875	399	134	7	80
Grate.....	F. S. Bissell.....	6,407	May 4, 1875	241	77	7	779
Grate.....	E. S. Renwick.....	6,439	May 18, 1875	813	{ 256 257 }	7	876
Grate-bar.....	R. C. Graves.....	6,353	Mar. 30, 1875	1281	411	7	554
Grate, Furnace.....	H. Ryder.....	6,259	Jan. 26, 1875	884	287	7	168
Grinding rolls or rollers, Machine for.....	J. M. Poole.....	6,323	Mar. 9, 1875	451	149	7	421
Grist-alarm.....	G. H. Eastman.....	6,655	Sept. 21, 1875	667	211	8	516
Gutters for buildings, Machine for making.....	A. K. P. Buffum.....	6,675	Oct. 5, 1875	218	70, 71	8	595
H.							
Hammer, Claw.....	D. W. Parker.....	6,623	Aug. 31, 1875	1173	369	8	398
Harness-rossette.....	W. Ulrich and C. Hachmeister.....	6,643	Sept. 14, 1875	410	131	8	472
Harrow.....	W. S. O'Brien.....	6,666	Aug. 24, 1875	945	295	8	358
Harvester.....	J. E. Buxton and T. J. Howo.....	6,351	Mar. 30, 1875	1278	411	7	554
Harvester.....	C. Crook.....	6,798	Dec. 14, 1875	538	177	8	1029
Harvester.....	J. H. Elward.....	6,359	Mar. 30, 1875	1360	414	7	556
Harvester.....	J. H. Elward.....	6,295	Apr. 20, 1875	823	265	7	695
Harvester.....	J. H. Elward.....	6,403	Apr. 27, 1875	1160	347	7	738
Harvester.....	J. Gore.....	6,649	Sept. 14, 1875	466	130	8	471
Harvester.....	J. P. Manny.....	6,382	Apr. 13, 1875	502	{ 165 166 }	7	648
Harvester.....	J. P. Manny.....	6,383	Apr. 13, 1875	506	{ 166 167 }	7	648
Harvester.....	C. W. and W. W. Marsh.....	6,223	Jan. 12, 1875	394	133	7	79
Harvester.....	C. W. and W. W. Marsh.....	6,224	Jan. 12, 1875	395	133	7	79
Harvester.....	C. W. and W. W. Marsh.....	6,329	Mar. 9, 1875	400	151	7	422
Harvester.....	C. W. and W. W. Marsh.....	6,330	Mar. 9, 1875	400	152	7	422
Harvester.....	L. and J. Miller.....	6,485	June 15, 1875	747	244	7	1051
Harvester.....	L. B. Stilson.....	6,524	June 29, 1875	1254	403	7	1134
Harvester.....	S. W. Tyler.....	6,609	Aug. 24, 1875	950	297	8	359
Harvester crank and pin.....	J. Kline.....	6,490	June 15, 1875	754	216	7	1052
Harvester pitman guide and holder.....	E. F. Horrington.....	6,514	June 29, 1875	1215	400	7	1133
Harvester-rake.....	I. Dedenhoff.....	6,339	Mar. 16, 1875	693	{ 227 228 }	7	462
Harvester-rake.....	A. A. Henderson.....	6,336	Mar. 16, 1875	689	{ 226 227 }	7	462

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Harvester-rake	J. H. Mears	6, 454	May 25, 1875	1064	336	7	917
Harvester-rake	J. Rynearson	6, 349	Mar. 23, 1875	1016	331	7	512
Harvester track-clearer	O. Du Bois	6, 201	Jan. 5, 1875	183	64	7	35
Hat-holder and check, Combined	J. E. Smith	6, 726	Dec. 14, 1875	536	176	8	1029
Hat-trimmings, Machine for covering reeds for	G. A. Shepard	6, 782	Dec. 7, 1875	247	84	8	983
Hay-rake, Horse	B. Owen	6, 364	Feb. 23, 1875	968	319	7	338
Hay-rake, Horse	B. Owen	6, 617	Aug. 24, 1875	661	299	8	360
Hay-rake, Horse	R. Wilson	6, 214	Jan. 5, 1875	198	67, 68	7	36
Hay, straw, and other bales	L. Dudge	6, 243	Jan. 19, 1875	653	213	7	123
Head-light lens	H. C. Felthousen	6, 343	Mar. 23, 1875	1010	329	7	511
Beater and feeder	R. Garstang	6, 202	Dec. 14, 1875	542	178	8	1029
Heel-stiffener	J. W. Hatch	6, 388	Apr. 20, 1875	812	263	7	694
High and low water indicator	F. Millward	6, 668	Sept. 28, 1875	900	287	8	556
Hinge, Door	E. U. and W. L. Scoville	6, 718	Oct. 26, 1875	986	319	8	726
Hoe	M. Johnson	6, 419	May 4, 1875	252	81	7	70
Hoisting apparatus	J. Hoffman	6, 597	Aug. 17, 1875	709	220	8	316
Hoof-spreader	T. Armstrong	6, 364	Apr. 6, 1875	232	77	7	602
Horse-power	J. M. Albertson	6, 247	Jan. 20, 1875	869	283	7	166
Horse-power	J. S. Scofield	6, 268	Feb. 2, 1875	240	78	7	218
Horse-power	O. O. Storle	6, 631	Sept. 7, 1875	199	62	8	434
Horse-rake	S. R. Nye	6, 678	Oct. 5, 1875	222	72	8	593
Horse-rake	S. R. Nye	6, 679	Oct. 5, 1875	223	72, 73	8	593
Horse-rake	J. Pennyacker	6, 471	June 1, 1875	215	75, 76	7	959
Horse-rake	J. J. Squire	6, 670	Sept. 28, 1875	903	287	8	556
Horseshoe-nail-finishing machine	H. A. Wills	6, 712	Oct. 19, 1875	740	242	8	684
Horseshoe-nail machine	J. Roy	6, 776	Nov. 30, 1875	1327	419	8	942
Horseshoe-nails, Finishing	H. A. Wills	6, 713	Oct. 19, 1875	742	242	8	684
Hose, Manufacture of India-rubber	T. J. Mayall	6, 545	July 13, 1875	519	168	8	83
Hot-air furnace	D. Boyd	6, 290	Feb. 16, 1875	728	242	7	296
Hot-air furnace	S. E. Foster	6, 727	Nov. 2, 1875	283	91	8	772
Hot-air furnace	J. G. Weldon	6, 294	Feb. 16, 1875	733	244	7	297
Hub, Vehicle-wheel	C. H. Guard	6, 273	Feb. 2, 1875	245	80	7	218
Hydraulic elevator	T. Stebius	6, 459	May 25, 1875	1070	337	7	918
Hydraulic jack	E. M. Dudgeon	6, 786	Dec. 7, 1875	253	85	8	984
I.							
Inhaler and nasal douche, Combined	E. Scofield	6, 260	Jan. 26, 1875	885	287	7	168
Injector	W. Randall	6, 414	May 4, 1875	247	79	7	70
Injector, Insect-powder	C. Chmnock	6, 265	Feb. 2, 1875	238	78	7	217
Inkstand	A. W. Brinkerhoff	6, 200	Jan. 5, 1875	182	63	7	34
Inkstand	S. Darling	6, 443	May 25, 1875	1053	333	7	916
Inkstand	S. Darling	6, 574	Aug. 3, 1875	252	76	8	245
Iron into steel, Converting	E. F. Broughton	6, 562	July 27, 1875	1046	311	8	189
Ironing-apparatus	G. W. Cottingham	6, 654	Sept. 21, 1875	666	211	8	516
K.							
Kettle, Boiling	S. Spoor	6, 406	Apr. 27, 1875	1105	348	7	738
Key-check	J. J. De Barry	6, 342	Mar. 23, 1875	1009	329	7	511
Knit-fabrics, Machine for drying tubular	W. K. Greene, jr., and W. W. Pawling	6, 587	Aug. 10, 1875	474	145, 146	8	274
Knit-fabrics, Machine for drying tubular	P. K. Greene, jr., and W. W. Pawling	6, 588	Aug. 10, 1875	476	146	8	274
Knitted bag for compressed vegetable substances	J. D. Culp	6, 779	Dec. 7, 1875	243	83	8	983
Knitting-machine	D. Brickford	6, 423	May 11, 1875	536	173	7	825
Knitting-machine	D. Brickford	6, 424	May 11, 1875	540	173	7	825
L.							
Lamp	S. C. Moore	6, 374	Apr. 13, 1875	493	163	7	647
Lamp	B. B. Schneider	6, 355	Mar. 30, 1875	1282	412	7	555
Lamp, Street	H. Wellington	6, 789	Dec. 7, 1875	257	86	8	984
Lantern	J. Kiutz	6, 230	Jan. 12, 1875	402	135	7	80
Latch and lock case, Reversible	J. Kitzer	6, 282	Feb. 9, 1875	474	159	7	258
Lathing, Metallic	I. V. Holmes	6, 510	Aug. 10, 1875	480	147	8	275
Leather-stretching apparatus	S. D. Castle	6, 252	Jan. 26, 1875	877	285	7	167
Lime-kiln	W. S. Sampson	6, 494	June 22, 1875	1008	326	7	1093
Lime-kiln	W. S. Sampson	6, 495	June 22, 1875	1010	326	7	1093
Lime-kiln	W. S. Sampson	6, 608	Aug. 24, 1875	949	296, 297	8	359
Liquids, Apparatus for expressing	L. Breal	6, 721	Nov. 2, 1875	274	89	8	771
Liquors, Apparatus for forcing	J. P. Bennett	6, 639	Sept. 14, 1875	405	130	8	471
Locomotive signal-light	A. Dick	6, 821	Dec. 28, 1875	985	319	8	1106
Log-turner for saw-mills	G. H. Shearer	6, 777	Nov. 30, 1875	1329	419	8	942
Loom	W. V. Gee	6, 301	Feb. 23, 1875	964	317, 318	7	338
Loom-harness motion	G. Crompton	6, 442	May 25, 1875	1051	333	7	916
Loom-needle frame	H. Patsons	6, 466	June 1, 1875	207	74	7	959
Loom-needle, Wire	D. C. Brown	6, 547	July 20, 1875	707	234, 235	8	139
Loom-shedding mechanism	G. Crompton	6, 314	Mar. 2, 1875	228	78	7	382
Loom-shedding mechanism	R. Elliott	6, 793	Dec. 14, 1875	533	176	8	1029
Loom-shuttle-box mechanism	H. Wyman	6, 567	July 27, 1875	1053	323	8	190
Loom-shuttle motion	C. I. Kane	6, 702	Oct. 19, 1875	727	240	8	683
Loom weft-stop mechanism	T. Islerwood and W. Nuttal	6, 761	Nov. 23, 1875	1099	345	8	903
Lubricating wheel and pulley	J. K. McLanahan	6, 203	Jan. 5, 1875	185	64	7	35
Lubricator	H. McGraw	6, 202	Jan. 5, 1875	184	64	7	35
Lubricator	J. A. Osenbrück	6, 794	Dec. 14, 1875	534	176	8	1028
Making-wheels	H. Holt	6, 714	Oct. 26, 1875	982	317	8	725
Matches, Manufacture of	E. Andrews and W. Tucker	6, 276	Feb. 9, 1875	469	157	7	258
Measure, Rotary cloth	W. Hebdou	6, 437	May 18, 1875	811	257	7	876
Measuring packaged fabrics	S. C. Tolcott	6, 829	Dec. 28, 1875	993	321	8	1106
Meat-chopper	D. Peters	6, 236	Jan. 19, 1875	637	211	7	126
Meat-chopper	D. Peters	6, 237	Jan. 19, 1875	638	212	7	126

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Metallic vessel .....	W. B. Scaife.....	6, 392	Apr. 20, 1875	819	265	7	695
Milk-cooler .....	C. A. Douglas.....	6, 744	Nov. 16, 1875	821	259	8	857
Mill-spindle .....	J. A. Hafner.....	6, 492	June 22, 1875	1007	325	7	1092
Millstone-dressing tool.....	J. Norman.....	6, 283	Feb. 9, 1875	475	159	7	259
Mitten .....	A. P. Smith.....	6, 764	Nov. 23, 1875	1162	346	8	904
Monument .....	J. Sbarkey.....	6, 507	June 22, 1875	1022	.....	7	1094
Mop and brush holder .....	A. P. Seymour.....	6, 719	Oct. 26, 1875	957	317	8	226
Mop-head .....	W. H. Curtis.....	6, 772	Nov. 30, 1875	1321	419	8	941
Motion, Device for converting .....	W. F. Barnes.....	6, 674	Oct. 5, 1875	217	70	8	595
Motive-power, Apparatus for transmitting.....	R. T. Smith.....	6, 400	Apr. 27, 1875	1096	347	7	737
Mower, Lawn .....	E. G. Passmore.....	6, 305	Feb. 23, 1875	959	319	7	338
Mowing-machine .....	A. B. Allen.....	6, 332	Mar. 16, 1875	626	225	7	461
Mowing-machine .....	J. P. Mauny.....	6, 381	Apr. 13, 1875	500	{ 164 165 }	7	648
Musical instruments, Machine for trimming keys of.....	M. Pratt.....	6, 455	May 25, 1875	1065	336	7	917
N.							
Nail-cutting machine .....	W. Haddock.....	6, 435	May 18, 1875	808	255	7	875
O.							
Oil-can, Stand .....	J. D. Gray.....	6, 396	Apr. 20, 1875	825	266	7	696
Oil-tank .....	W. C. Strickler.....	6, 736	Nov. 9, 1875	574	178	8	816
Ore-reducing furnace .....	J. H. Boyd.....	6, 610	Aug. 24, 1875	953	297	8	359
Ore-separator .....	E. P. Minot.....	6, 538	July 13, 1875	509	156	8	87
Ore-stamp feeder .....	J. Tullock.....	6, 554	July 20, 1875	774	237	8	140
Ores, Treating .....	D. Middlefield.....	6, 519	June 29, 1875	1249	.....	7	1134
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Organ reed-board .....	A. W. Wilcox.....	6, 638	Sept. 7, 1875	206	64	8	434
Oven, Baker's .....	D. McKenzie.....	6, 397	Apr. 20, 1875	826	266	7	696
Oven, Desulphurizing .....	J. C. Brewster.....	6, 278	Feb. 9, 1875	471	158	7	258
Overshoe .....	J. J. Mellon.....	6, 725	Nov. 2, 1875	280	90	8	772
P.							
Packing for steam and other engines.....	W. Peters.....	6, 620	Oct. 11, 1875	420	.....	8	640
Packing for steam-condenser tubes.....	W. A. Lighthall.....	6, 661	Sept. 28, 1875	892	285	8	555
Packing-machine .....	A. Ralph.....	6, 457	May 25, 1875	1068	337	7	918
Pantalions, &c. ....	J. W. Davis.....	6, 335	Mar. 16, 1875	688	226	7	461
Pants and other garments .....	G. R. Eager.....	6, 280	Feb. 9, 1875	472	158	7	258
Paper barrel .....	J. W. Jarboe.....	6, 515	June 29, 1875	1245	400	7	1133
Paper barrel and cylindrical box.....	B. Rhodes.....	6, 551	July 20, 1875	772	236	8	139
Paper-board, Manufacture of .....	B. F. Field.....	6, 502	June 22, 1875	1017	328	7	1094
Paper box .....	T. J. Powers.....	6, 618	Aug. 24, 1875	662	300	8	360
Paper box .....	J. L. Reber.....	6, 206	Dec. 14, 1875	547	179	8	1610
Paper box .....	E. D. Shelton.....	6, 660	Oct. 5, 1875	224	73	8	506
Paper-box machine .....	F. Gates.....	6, 245	Jan. 19, 1875	657	{ 214 215 }	7	128
Paper-box machine .....	H. R. Heyl and A. Brehmer.....	6, 745	Nov. 16, 1875	822	{ 259 260 }	8	857
Paper collar .....	S. S. Gray.....	6, 691	Oct. 11, 1875	424	157	8	641
Paper, &c., cutting machine .....	J. Ball.....	6, 321	Mar. 9, 1875	454	150	7	422
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Paper, Device for protecting the ends of rolls of.....	J. L. Fim.....	6, 533	July 6, 1875	226	76	8	43
Paper-planishing machine .....	J. F. Schuyler.....	6, 470	June 1, 1875	214	75	7	359
Paper, Process of cutting wet.....	J. Eachus.....	6, 315	Mar. 2, 1875	230	78	7	582
Paper-pulp from palm, Making .....	J. P. Heron.....	6, 646	Sept. 14, 1875	413	.....	8	472
Paper vessel .....	E. Waters.....	6, 627	Aug. 31, 1875	1176	370	8	398
Paper wagon-body .....	J. W. Jarboe.....	6, 770	Nov. 30, 1875	1320	417	8	941
Paper wagon-body .....	J. W. Jarboe.....	6, 771	Nov. 30, 1875	1321	417	8	941
Pavement .....	A. B. Dean.....	6, 570	Aug. 3, 1875	249	.....	8	234
Pavement .....	W. W. Hubbell.....	6, 826	Dec. 28, 1875	929	.....	8	1106
Pavement, Composition .....	J. P. Cranford.....	6, 511	June 29, 1875	1242	399	7	1132
Pavements, Repairing .....	H. W. Gould.....	6, 272	Feb. 2, 1875	245	79	7	218
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Peg or sole-fastening .....	C. and J. G. Rowland.....	6, 298	Feb. 16, 1875	741	246	7	298
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Pegging-machine .....	L. Goddun.....	6, 603	Dec. 14, 1875	543	178	8	1029
Pencils, Rubber eraser for lead .....	J. B. Blair.....	6, 510	June 29, 1875	1241	399	7	1132
Planing device .....	W. Walker.....	6, 704	Oct. 19, 1875	729	240	8	683
Plane, Bench .....	L. Bailey.....	6, 498	June 22, 1875	1013	327	7	1093
Plane-iron .....	J. J. Ralya.....	6, 462	May 25, 1875	1074	338	7	918
Planing and matching machine, Combined.....	W. H. Doane and W. E. London.....	6, 773	Nov. 30, 1875	1322	{ 417 418 }	8	942
Planing-machine .....	O. G. Howes.....	6, 412	May 4, 1875	246	79	7	779
Planter, Corn .....	J. Campbell.....	6, 372	Apr. 13, 1875	490	162	7	647
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Planter, Corn .....	J. Thomson and J. Ramsey.....	6, 821	Dec. 21, 1875	796	262	8	1071
Planter, Seed .....	G. W. Brown.....	6, 354	Apr. 20, 1875	607	262	7	693
Planter, Seed .....	G. W. Brown.....	6, 355	Apr. 20, 1875	609	263	7	693
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Planter, Seed .....	G. W. Brown.....	6, 757	Nov. 23, 1875	1095	344	8	903
Planter, Seed .....	J. Campbell.....	6, 270	Feb. 2, 1875	242	79	7	218
Plow .....	W. K. Harrell.....	6, 204	Dec. 14, 1875	545	178	8	1030
Plow .....	J. Lano.....	6, 320	Mar. 9, 1875	449	149	7	421
Plow .....	J. Lane, Jr.....	6, 405	Apr. 27, 1875	1105	348	7	738
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Plow, Sulky .....	B. Slusser.....	6, 563	July 27, 1875	1047	322	8	1189
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Preserving meat, Apparatus for.....	W. C. Marshall .....	6, 452	May 26, 1875	1062	335	7	917
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Printer's galley.....	A. T. De Puy .....	6, 326	Mar. 9, 1875	437	151	7	422
Printer's galley.....	A. T. De Puy .....	6, 327	Mar. 9, 1875	458	151	7	422
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Puddling-furnace.....	S. Caddick .....	6, 778	Dec. 7, 1875	241	82, 83	8	983
Pulley.....	R. W. Betts and W. Howie .....	6, 822	Dec. 28, 1875	984	318	8	1105
Pump.....	J. Bean .....	6, 703	Oct. 19, 1875	728	240	8	683
Pump.....	F. Curtis and E. P. Russell .....	6, 357	Mar. 30, 1875	1283	413	7	555
Pump.....	W. J. Johnson .....	6, 649	Sept. 21, 1875	660	209	9	575
Pump.....	A. N. Parkhurst .....	6, 669	Sept. 28, 1875	902	287	8	556
Pump.....	A. M. Putnam .....	6, 537	July 6, 1875	27	79	8	44
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Pump, Chain.....	W. Cooper .....	6, 700	Oct. 19, 1875	725	239	8	682
Pump, Chain.....	C. Fishbaugh .....	6, 612	Aug. 24, 1875	957	298	8	359
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Pumping wells, Means for.....	A. E. Nickerson and L. C. Streetor .....	6, 486	June 15, 1875	749	244	7	1051
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S.							
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Rock-drill.....	E. S. Winchester .....	6, 620	Aug. 24, 1875	664	300	8	360
Rock-drilling machine.....	S. Ingersoll .....	6, 292	Feb. 16, 1875	730	{ 242 } { 243 }	7	297
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Roving-frame.....	T. Mayor .....	6, 302	Feb. 23, 1875	965	318	7	338
Ruffle, Band.....	T. Robjohn .....	6, 686	Oct. 5, 1875	230	75	8	596
Ruffle-making machine.....	J. A. Pipo .....	6, 565	July 27, 1875	1049	322	8	189
Ruffles, Apparatus for making fluted.....	T. Robjohn .....	6, 308	Feb. 23, 1875	973	320	7	339
Ruffles, Machine for making band.....	T. Robjohn .....	6, 687	Oct. 5, 1875	231	75	8	596
S.							
Sand and gravel separator.....	N. J. Keller .....	6, 598	Aug. 17, 1875	710	{ 220 } { 221 }	8	317
Sash-balance.....	O. Davis .....	6, 334	Mar. 16, 1875	688	226	7	461
Sash-holder.....	L. J. Baker .....	6, 263	Feb. 2, 1875	235	77	7	217
Sash-lock.....	G. McGregor and G. Voll .....	6, 693	Oct. 11, 1875	485	152	8	641
Sash-supporter.....	H. F. Jenks .....	6, 256	Jan. 26, 1875	881	286	7	167
Saw-grinding machine.....	D. M. Mefford .....	6, 303	Feb. 23, 1875	967	318	7	338
Saw-mill dog.....	H. D. Dann .....	6, 733	Nov. 9, 1875	571	177	8	816
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Saw-swaging machine.....	L. W. Pond .....	6, 322	Mar. 9, 1875	450	149	7	421
Sawing-machine.....	J. Frey and J. M. Eichholtz .....	6, 586	Aug. 13, 1875	473	145	8	274
Sawing-machine.....	C. H. Mayo .....	6, 317	Mar. 2, 1875	231	79	7	382
Sawing-machine, Band.....	D. Bonney .....	6, 340	Mar. 23, 1875	1007	328	7	511
School settee and desk.....	J. Peard .....	6, 536	July 6, 1875	269	79	8	44
Scraper, Rotary road.....	J. W. Wilson .....	6, 555	July 20, 1875	775	237	8	140
Screw, Wood.....	A. Cummings .....	6, 729	Nov. 9, 1875	565	176	8	515
Screw, Wood.....	A. Cummings .....	6, 730	Nov. 9, 1875	566	177	8	515
Screw, Wood.....	S. W. Young .....	6, 571	Aug. 3, 1875	250	75	8	234
Seaming machine, Can.....	L. C. Beardsley .....	6, 582	Aug. 10, 1875	468	144	8	273
Seed-drill.....	B. Kuhns .....	6, 672	Oct. 5, 1875	214	70	8	594
Seeding-machine.....	W. P. Penn .....	6, 726	Nov. 2, 1875	281	91	8	772
Sewed or stitched, Trimming material while being.....	W. A. Springer .....	6, 593	Aug. 10, 1875	494	148	8	275
Sewing-machine.....	C. F. Bosworth .....	6, 463	June 1, 1875	202	72, 73	7	958
Sewing-machine.....	C. F. Bosworth .....	6, 467	June 1, 1875	208	71	7	959
Sewing-machine.....	C. Hodgkins .....	6, 396	Aug. 17, 1875	708	220	8	316
Sewing-machine.....	A. F. Johnson .....	6, 550	July 20, 1875	769	{ 235 } { 236 }	8	139
Sewing-machine.....	G. McKay and R. H. Mathies .....	6, 535	July 6, 1875	259	{ 77 } { 78 }	8	43
Sewing-machine.....	E. H. Smith .....	6, 807	Dec. 14, 1875	548	179	8	1030
Sewing-machine-attachment clamp.....	J. G. Powell .....	6, 306	Feb. 23, 1875	971	319	7	339
Sewing machine, Boot and shoe.....	H. Dunham, jr .....	6, 295	Feb. 16, 1875	734	214	7	297
Sewing-machine corder.....	W. Wilson .....	6, 603	Aug. 17, 1875	717	232	8	318
Sewing-machine embroidering attachment.....	I. M. Rose .....	6, 473	June 1, 1875	218	76	7	960
Sewing-machine for making band-ruffling.....	T. Robjohn .....	6, 566	July 27, 1875	1050	323	8	189
Sewing-machine for sewing the sweat-lining of hats.....	R. Eickemeyer .....	6, 311	Mar. 2, 1875	224	77	7	381
Sewing-machine gathering attachment.....	A. Everiss .....	6, 690	Oct. 11, 1875	482	157	8	640

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Sewing-machine plaiting attachment	W. Walker	6, 635	Sept. 7, 1875	202	63	8	434
Sewing-machine table	F. R. Wolfinger	6, 430	May 11, 1875	548	175	7	626
Sewing-machine treadle	R. F. Wilcox	6, 602	Aug. 17, 1875	717	222	8	318
Sewing-machine trimming and cutting attachment	W. A. Springer	6, 592	Aug. 10, 1875	483	{ 147 } 148	8	275
Sewing-machine tuck-marker	H. C. Goodrich	6, 216	Mar. 2, 1875	230	79	7	382
Sewing-machines, Anti-rattling journal for balancing-wheels of.	P. L. Reese	6, 284	Feb. 9, 1875	476	159	7	259
Shearing machine, Animal	G. F. Evans	6, 622	Aug. 31, 1875	1172	369	8	398
Sheet-metal can	L. C. Beardley	6, 583	Aug. 10, 1875	470	144	8	273
Shingle-packer	R. B. Taylor	6, 742	Nov. 16, 1875	819	258	8	857
Shingle-packer clamp	R. B. Taylor	6, 741	Nov. 16, 1875	819	258	8	857
Shirt	J. H. Myers	6, 749	Nov. 16, 1875	830	261	8	858
Shoe	A. Ballard	6, 333	Mar. 16, 1875	687	226	7	461
Shoe	C. F. Hill	6, 281	Feb. 9, 1875	473	159	7	258
Shoe	J. H. Hussey	6, 438	May 18, 1875	812	256	7	676
Shoe	C. Perley	6, 354	Mar. 30, 1875	1281	412	7	555
Shoep-uppers, Form for fitting	W. J. B. Mills	6, 235	Jan. 19, 1875	635	211	7	126
Skate	O. Edwards	6, 410	May 4, 1875	244	78	7	779
Skate	O. Edwards	6, 676	Oct. 5, 1875	219	71	8	595
Skate	J. Lovatt	6, 369	Apr. 6, 1875	237	79	7	602
Skate	E. Murray	6, 763	Nov. 23, 1875	1101	346	8	904
Skate-frame	S. B. Bushfield	6, 221	Jan. 12, 1875	393	132	7	79
Sleigh knee and beam	D. O. Card	6, 408	May 4, 1875	243	75	7	779
Smoke-burning furnace	S. A. Ford	6, 666	Sept. 28, 1875	897	286	8	556
Soap, Transparent advertising	S. Struuz	6, 624	Aug. 31, 1875	1174	369	8	398
Soles, Apparatus for drying shoe	A. F. Smith	6, 362	Mar. 30, 1875	1294	415	7	556
Spading and other forks	E. C. Denio and G. K. Babcock	6, 266	Feb. 2, 1875	238	78	7	217
Speaking tube	C. A. Fredericks	6, 604	Aug. 24, 1875	944	295	8	358
Spinning-frame, Ring	C. B. Morse	6, 343	Mar. 23, 1875	1015	330	7	512
Spinning-machine bobbin	G. Richardson	6, 416	May 4, 1875	249	80	7	780
Spinning-machine spindle	F. J. Rabbeth and J. E. Atwood	6, 456	May 25, 1875	1066	336	7	918
Spinning-machine spindle-bolster	G. Richardson	6, 415	May 4, 1875	248	79	7	780
Spinning-machine spindles, Adjusting ring	F. A. Sterry	6, 765	Nov. 23, 1875	1103	346	8	904
Spinning-ring	W. T. Carroll	6, 386	Apr. 20, 1875	810	263	7	694
Spinning-ring	W. Jenckes	6, 628	Sept. 7, 1875	196	61	8	433
Spring-motor	A. C. Hallam and J. W. McKee	6, 740	Nov. 16, 1875	817	{ 257 } { 258 }	8	837
Stair-rod	H. Iversen	6, 819	Dec. 21, 1875	795	262	8	1071
Starch, spirits, &c., Treatment of grain for the manufacture of	W. Adamson and C. F. A. Simonin	6, 226	Jan. 12, 1875	397	.....	7	79
Stave-jointer	J. J. Ralya	6, 461	May 25, 1875	1073	338	7	918
Steam and water piping for buildings, System of	J. H. Mills	6, 591	Aug. 10, 1875	482	147	8	275
Steam-boiler	H. W. Rice	6, 432	May 4, 1875	255	82	7	780
St am-boiler	M. W. Shapley	6, 561	June 22, 1875	1016	338	7	1094
Steam-boiler covering	W. Peters	6, 516	June 9, 1875	1246	401	7	1133
Steam-boiler, Rotary	C. W. Pierce	6, 750	Nov. 16, 1875	831	261	8	858
Steam-engine	S. F. Daveoport	6, 532	July 6, 1875	255	76	8	43
Steam engines and calenders, Trunion for	T. Hill	6, 344	Mar. 23, 1875	1010	329	7	511
Steam generator, Sectional	H. Whittingham	6, 262	Jan. 26, 1875	888	288	7	168
Steamboat staging	A. J. Bell	6, 509	June 29, 1875	1240	399	7	1138
Stencil-plate	J. L. and H. L. Tarbox	6, 733	Nov. 16, 1875	834	262	8	858
Stereoscope	A. Quirolo	6, 557	July 27, 1875	1041	321	8	188
Stereotype-plate holder	A. Case	6, 325	Mar. 9, 1875	456	150	7	422
Stone, Manufacture of artificial	J. L. Rowland	6, 234	Jan. 12, 1875	465	136	7	80
Stool, Kneeling	W. Cahill	6, 561	July 27, 1875	1046	322	8	189
Stove	W. Burrows	6, 603	Sept. 28, 1875	895	285	8	555
Stove	A. Hamilton	5, 560	June 22, 1875	1015	328	7	1094
Stove	G. W. Herrick	6, 723	Nov. 2, 1875	277	90	8	771
Stove	E. Smith	6, 363	Mar. 30, 1875	1295	415	7	556
Stove, Base-burning	J. Spear	6, 206	Jan. 5, 1875	188	65	7	35
Stove, Base-burning	J. Spear	6, 207	Jan. 5, 1875	190	65	7	35
Stove, Coal	Z. Hunt	6, 709	Oct. 19, 1875	737	241	8	684
Stove, Cooking	E. Bussey	6, 785	Dec. 7, 1875	251	84, 25	8	984
Stove, Cooking	J. R. Hyde	6, 389	Apr. 26, 1875	813	264	7	694
Stove, Cooking	D. E. Paris	6, 465	June 1, 1875	206	73	7	958
Stove, Gas	J. J. West	6, 636	Sept. 7, 1875	204	64	8	434
Stove, Heating	N. A. Boynton	6, 251	Jan. 26, 1875	876	285	7	167
Stove, Heating	A. Brown	6, 441	May 25, 1875	1050	333	7	916
Stove, Heating	G. R. Moore	6, 732	Nov. 9, 1875	568	177	8	815
Stove-plate form	C. Brownell	6, 400	May 25, 1875	1071	337	7	918
Stove, Reservoir cooking	J. R. Hydo	6, 390	Apr. 20, 1875	816	264	7	694
Stove, Reservoir cooking	G. G. Wolfe	6, 217	Jan. 12, 1875	387	131	7	78
Stove, Reservoir cooking	G. G. Wolfe	6, 218	Jan. 12, 1875	388	132	7	78
Stove, Reservoir cooking	G. G. Wolfe	6, 219	Jan. 12, 1875	389	132	7	78
Strainer and funnel combined	C. W. and L. H. Hermance	6, 614	Aug. 24, 1875	958	298	8	360
Strainers, Construction of	R. J. P. Goodwin	6, 248	Jan. 26, 1875	870	283	7	166
Strap-loop	S. C. Talcott	6, 417	May 4, 1875	250	80	7	780
Straw-cutter	J. K. O'Neil	6, 232	Jan. 12, 1875	403	135	7	80
Street-sweeping machine	J. Edson	6, 658	Sept. 28, 1875	888	283	8	555
Street sweeping machine	J. Edson	6, 659	Sept. 28, 1875	889	284	8	555
Sugar into blocks, Apparatus for compacting granular	A. F. W. Partz	6, 208	Jan. 5, 1875	191	66	7	36
Sugar into blocks, Compacting	A. F. W. Partz	6, 209	Jan. 5, 1875	192	.....	7	36
Sugar, Manufacturing hard	F. O. Matthiessen	6, 413	May 4, 1875	247	.....	7	780
Sugar, Refining	F. O. Matthiessen	6, 378	Apr. 13, 1875	497	.....	7	648
Surveying instrument	J. L. Bogy	6, 792	Dec. 14, 1875	531	175	8	1028

T.

Table-mat	C. Weber	6, 890	Dec. 28, 1875	995	321	8	1166
Tag-fastener	J. M. Goodridge	6, 781	Dec. 7, 1875	247	83	8	983
Teaching penmanship, Copy-slips for	C. Allen	6, 706	Oct. 19, 1875	733	241	8	684
Telegraph and circuit therefor, Duplex	J. B. Stearns	6, 508	June 22, 1875	1023	330	7	1094
Telegraph for cities, Electro-magnetic fire-alarm	W. F. Channing and M. G. Farmer	6, 219	Jan. 19, 1875	644	212	7	127
Telegraph for cities, Electro-magnetic fire-alarm	W. F. Channing and M. G. Farmer	6, 240	Jan. 19, 1875	644	213	7	127

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Telegraph for cities, Electro-magnetic fire-alarm.....	W. F. Channing and M. G. Farmer	6, 241	Jan. 19, 1875	647	213	7	127
Telegraph-wire, Sending and receiving messages simultaneously over the same.	M. G. Farmer	6, 296	Feb. 16, 1875	736	245	7	298
Telegraphic-printing apparatus.....	T. M. Foote and C. A. Randall	6, 434	May 18, 1875	806	255	7	875
Thermometer, Registering.....	J. V. Raymond	6, 544	July 13, 1875	519	158	8	88
Thill-coupling.....	G. G. Larkin	6, 450	May 25, 1875	1061	335	7	917
Thill-coupling.....	G. F. Smith	6, 331	Mar. 9, 1875	462	152	7	422
Thread, Card for wrapping.....	H. Suro	6, 751	Nov. 16, 1875	832	261	8	858
Tile, Illuminating.....	T. Hyatt	6, 630	Sept. 7, 1875	198	62	8	433
Tilting chair.....	O. A. Bingham	6, 478	June 8, 1875	496	163	7	1008
Tilting chair.....	D. E. Teal	6, 309	Feb. 23, 1875	974	320	7	339
Time-lock.....	S. W. Hollen	6, 787	Dec. 7, 1875	254	85	8	984
Toaster or broiler, Wire.....	S. Ayres and H. J. Chamberlain	6, 371	Apr. 13, 1875	490	162	7	647
Tobacco-cutter.....	W. H. Pease	6, 728	Nov. 2, 1875	284	91, 92	8	772
Tobacco machine, Plug.....	J. L. Jones	6, 517	June 29, 1875	1247	401	7	1133
Torsional spring.....	C. W. Saladee	6, 205	Jan. 5, 1875	187	65	7	35
Toy block.....	C. M. Crandall	6, 356	Mar. 30, 1875	1284	{ 412 413 }	7	555
Toy building-block.....	C. M. Crandall	6, 409	May 4, 1875	243	78	7	779
Toy, Chime.....	E. C. Barton	6, 644	Sept. 14, 1875	411	132	8	472
Toy money-box.....	C. C. Johnson	6, 734	Nov. 9, 1875	572	178	8	816
Treadle.....	W. J. Demorest	6, 800	Dec. 14, 1875	540	177	8	1029
Trimming.....	G. E. King	6, 518	June 29, 1875	1248	401	7	1133
Truck, Hand.....	L. Gilson	6, 267	Feb. 2, 1875	239	78	7	217
Type-casting machine.....	J. A. T. Overend	6, 505	June 22, 1875	1021	{ 329 330 }	7	1094
Type-casting machine.....	J. A. T. Overend	6, 506	June 22, 1875	1022	330	7	1094
V.							
Valve and overflow, Waste.....	J. Foley	6, 739	Nov. 16, 1875	817	257	8	856
Valve, Balanced slide.....	W. Oberchain	6, 225	Jan. 12, 1875	396	134	7	79
Valve, Globe.....	J. Powell	6, 528	July 6, 1875	249	75	8	42
Valve, Globe.....	J. Powell	6, 529	July 6, 1875	251	75	8	42
Valve, Self-regulating pressure.....	A. Campbell	6, 264	Feb. 2, 1875	236	77	7	217
Vehicle-spring.....	E. Chamberlain	6, 611	Aug. 24, 1875	956	298	8	359
Velocipede.....	J. A. Vander Waag	6, 250	Jan. 26, 1875	875	285	7	167
Veneer-cutting machine.....	J. C. Brown	6, 341	Mar. 23, 1875	1008	{ 328 329 }	7	511
Vessels, Manufacture of irregular-shaped.....	B. Rhodes	6, 552	July 20, 1875	773	237	8	139
Violin chin-rest.....	H. W. White	6, 812	Dec. 21, 1875	786	260	8	1070
W.							
Wagon.....	E. Huson	6, 660	Sept. 28, 1875	890	284	8	555
Wagon, Dumping.....	H. Bailey	6, 783	Dec. 7, 1875	249	84	8	983
Wash-bench, Extension.....	S. Wiswall	6, 398	Apr. 20, 1875	827	266	7	696
Wash-board.....	W. Todd	6, 673	Oct. 5, 1875	216	70	8	595
Washing-machine.....	J. P. Barues	6, 671	Oct. 5, 1875	213	69	8	594
Washing-machine.....	H. D. Starr	6, 213	Jan. 5, 1875	197	67	7	36
Watch-case..... (Design)	C. K. Colby	6, 585	Aug. 10, 1875	412	145	8	274
Water, Apparatus for removing obstructions under.....	S. Lewis	6, 249	Jan. 26, 1875	871	284	7	166
Water-closet.....	J. G. Jennings	6, 616	Aug. 24, 1875	660	299	8	360
Water-closets, Apparatus for emptying.....	R. Boeklen	6, 544	Aug. 10, 1875	471	144	8	273
Water-heating device.....	E. R. Stilwell	6, 286	Feb. 9, 1875	478	160	7	259
Water-trap.....	W. A. Butler	6, 664	Sept. 28, 1875	896	285	8	555
Water-trap.....	W. A. Butler	6, 665	Sept. 28, 1875	896	286	8	555
Water-trap supply and connection.....	J. H. Morrell	6, 775	Nov. 30, 1875	1325	419	8	942
Water-wheel.....	J. W. Ross	6, 285	Feb. 9, 1875	477	160	7	259
Wedge-making machine.....	G. Morgan and J. R. Foster	6, 682	Oct. 5, 1875	226	74	8	596
Weighing apparatus.....	A. B. Davis	6, 346	Mar. 23, 1875	1011	330	7	512
Weighing apparatus.....	A. B. Davis	6, 347	Mar. 23, 1875	1013	330	7	512
Welding chain-links, Machine for.....	B. Hershey	6, 589	Aug. 10, 1875	577	{ 146 147 }	8	274
Well-boring drill.....	J. M. May	6, 337	Mar. 16, 1875	690	227	7	462
Well, Driven or bored.....	M. T. and M. C. Chapman	6, 556	July 27, 1875	1040	320	8	188
Wells, Method of increasing the capacity of oil.....	E. A. L. Roberts	6, 258	Jan. 26, 1871	853	287	7	168
Windlass.....	J. P. Mantou	6, 774	Nov. 30, 1875	1324	418	8	942
Windmill.....	J. K. Babcock	6, 743	Nov. 16, 1875	820	258	8	857
Windmill.....	J. Hall	6, 681	Oct. 5, 1875	225	73	8	596
Wiro-cloth, Machine for painting.....	C. H. Waters	6, 625	Aug. 31, 1875	1175	370	8	398
Wire-cloth, Painting.....	C. H. Waters	6, 626	Aug. 31, 1875	1176	.....	8	398
Wood-splitting machine.....	J. A. Conover	6, 541	July 13, 1875	515	157	8	88
Wooden boxes, Machine for cutting the heads and bottoms of.....	B. Hersey	6, 367	Apr. 6, 1875	235	78	7	602
Work-table, Lady's.....	C. R. Snyder	6, 475	June 1, 1875	220	77	7	960
Wringer.....	J. Brinkerhoff	6, 816	Dec. 21, 1875	789	261	8	1071
Wringing-machine.....	J. Allender	6, 288	Feb. 9, 1875	481	161	7	260
Wringing-machine.....	J. Allender	6, 289	Feb. 9, 1875	482	161	7	260
Y.							
Yoke attachment, Neok.....	B. Foltz	6, 366	Apr. 6, 1875	234	78	7	602

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Bending machine, Wood ..... (Reissues 4,548 and 4,614).	H. McDonald .....	31,182	Jan. 22, 1861	7	222
C.					
Carspring, Railway ..... (Reissue 4,959) ..	T. F. Alyn .....	31,102	Jan. 15, 1861	7	180
Carding-cylinders, Machinery for grinding the card-teeth of .....	C. Hardy .....	31,315	Feb. 5, 1861	7	303
Carriage-work, Collar for ornamental .....	M. Seward .....	31,330	Feb. 5, 1861	7	303
Coal-breaking machine .....	R. A. Wilder .....	31,502	Feb. 19, 1861	7	386
Cotton-bales, Iron tie for .....	J. J. McComb .....	31,252	Jan. 29, 1861	7	303
Cultivator ..... (Reissue 5,827) ..	D. S. Stafford .....	31,133	Jan. 15, 1861	7	180
Curry-comb .....	S. J. Wheeler .....	39,199	Jan. 22, 1861	7	222
D.					
Dough-mixing machine .....	W. Hotine .....	31,082	Jan. 8, 1861	7	180
F.					
Felly-machine .....	C. H. Denison .....	31,443	Feb. 19, 1861	7	515
Fruits, vegetables, &c., Drying... (Reissues 3,017, 4,408, and 4,834) ..	F. H. Smith .....	31,566	Feb. 26, 1861	7	515
G.					
Gas-regulator .....	C. L. Herring .....	31,168	Jan. 22, 1861	7	222
H.					
Harvester ..... (Reissues 4,125 and 4,917) ..	R. Dutton .....	31,378	Feb. 12, 1861	7	386
Hoe-blanks, Manufacture of ..... (Reissue 1,481) ..	N. Brand .....	31,525	Feb. 26, 1861	7	515
Hoe-blanks, Manufacture of ..... (Reissue 1,482) ..	N. Brand .....	31,525	Feb. 26, 1861	7	515
Hoisting apparatus ..... (Reissue 4,269) ..	E. G. Otis .....	31,128	Jan. 15, 1861	7	180
Hoisting apparatus ..... (Reissue 4,270) ..	E. G. Otis .....	31,128	Jan. 15, 1861	7	180
Hoisting apparatus ..... (Reissue 4,271) ..	E. G. Otis .....	31,128	Jan. 15, 1861	7	180
Hot-air pipes, Evaporator for ..... (Reissue 1,165) ..	G. F. J. Colburn .....	31,152	Jan. 22, 1861	7	222
I.					
Iron bars and rods, Polishing .....	B. Lauth .....	31,546	Feb. 26, 1861	7	515
L.					
Lamp ..... (Reissue 1,735) ..	C. A. Cahoon .....	31,511	Feb. 19, 1861	7	387
Leather straps, Machine for creasing and finishing .....	W. M. Thornton .....	31,094	Jan. 8, 1861	7	180
Limekiln ..... (Reissue 1,476) ..	R. Donaldson .....	31,445	Feb. 19, 1861	7	386
Loom .....	W. Murkland .....	31,324	Feb. 5, 1861	7	303
N.					
Needle ..... (Reissue 4,884) ..	G. Cooper .....	31,153	Jan. 22, 1861	7	222
P.					
Paper-folding machine ..... (Reissue 3,785) ..	W. H. and J. Milliken.....	31,578	Feb. 26, 1861	7	515
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Planter, Corn .....	F. B. Preston .....	31,579	Feb. 26, 1861	7	515
Plow .....	W. Jarrall .....	31,172	Jan. 22, 1861	7	222
Pottery, Molding .....	W. Linton .....	31,394	Feb. 12, 1861	7	386
S.					
Sausage-stuffer .....	A. Nettinger .....	31,030	Jan. 1, 1861	7	180
Scale-beam .....	A. B. Davis .....	31,534	Feb. 26, 1861	7	515
Sewing-machine .....	L. W. Langdon .....	31,211	Jan. 22, 1861	7	222
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Sewing machines, Mechanism for foot and shoe... (Reissue 2,906) ..	F. D. Ballou .....	34,203	Jan. 22, 1861	7	222
Sliver-machine ..... (Act of Congress March 3, 1875) ..	F. T. Grant .....	28,470	May 29, 1860	7	466
Steamboat-staging .....	A. J. Bell .....	31,147	Jan. 22, 1861	7	222
W.					
Weighing apparatus .....	A. B. Davis .....	31,533	Feb. 26, 1861	7	515

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Column, Wrought-iron .....	J. B. Cornell .....	159,305	Feb. 2, 1875	Apr. 8, 1875	7	564
Cultivator..... (Reissued April 7, 1874, No. 5,827) ..	D. S. Stafford.....	31,133	Jan. 15, 1861	Jan. 14, 1875	7	180
H.						
Harvester..... (Reissued August 3, 1869, No. 3,580) ..	J. P. Manny.....	17,798	July 4, 1857	Apr. 10, 1875	7	564
L.						
Lathing, Metallic. (Reissued October 5, 1869, No. 3,661.)	I. V. Holmes .....	86,306	Jan. 26, 1869	July 6, 1875	8	148
Limekiln .....	R. Donaldson .....	31,445	Feb. 19, 1861	Feb. 18, 1875	7	387
N.						
Needle..... (Reissued April 30, 1872, No. 4,884) ..	G. Cooper .....	31,153	Jan. 22, 1861	Jan. 16, 1875	7	222
P.						
Paper-folding machine ... (Reissued January 4, 1870, No. 3,785.)	W. H. and J. Milliken .....	31,578	Feb. 26, 1861	Feb. 19, 1875	7	515
Pavement, Concrete .....	J. J. Shillinger .....	105,599	July 19, 1870	Mar. 1, 1875	7	387
Preserving fruit .....	D. M. Mefford .....	82,429	Sept. 22, 1868	Feb. 25, 1875	7	610
S.						
Sewing-machines, Mechanism for boot and shoe (Re-issued March 31, 1868, No. 2,906.)	F. D. Ballou.....	34,203	Jan. 22, 1861	Jan. 12, 1875	7	222
T.						
Tremolo-attachment. (Reissued May 18, 1869, No. 3,444; again reissued October 5, 1869, No. 3,665.)	R. W. Carpenter .....	48,366	June 27, 1865	June 19, 1875	8	148
W.						
Window-screen. (Reissued January 2, 1872, No. 4,698.)	A. B. Magoun .....	52,726	Feb. 20, 1866	Aug. 13, 1875	8	194

## ALPHABETICAL LIST OF TRADE-MARKS.

Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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<b>A.</b>					
Acid, Carbolic	C. Lowe and J. Gill	2,764	July 20, 1875	8	96
Acid, Salicylic	S. W. Canfield	2,826	Aug. 17, 1875	8	281
Agricultural forks	F. P. Shuway	2,692	June 22, 1875	7	1057
Agricultural implements	G. W. and M. Strouse	2,689	July 6, 1875	8	4
Album, Photographic	W. Mayer	2,753	July 20, 1875	8	96
Alcohol	C. H. Graves	2,422	May 4, 1875	7	743
Ale, porter, and beer	Kohle & Gerken	2,619	June 1, 1875	7	926
Alloys and articles made therefrom, Metallic	C. J. A. Dick	3,002	Oct. 5, 1875	8	561
Alpaca	Farr Alpaca Company	2,281	Mar. 9, 1875	7	387
Anisette	G. W. Dunbar & Sons	2,704	July 6, 1875	8	4
Anisette	G. W. Dunbar & Sons	2,705	July 6, 1875	8	4
Atomizers	Young, Ladd & Coffin	2,337	Mar. 30, 1875	7	516
Atomizers for perfuming, &c	T. J. Holmes	2,710	July 6, 1875	8	4
Ax	R. Patrick & Co.	2,285	Mar. 9, 1875	7	387
Axes, &c	Douglas Ax Manufacturing Company	2,851	Aug. 24, 1875	8	323
Axes, &c	Douglas Ax Manufacturing Company	2,852	Aug. 24, 1875	8	323
Axes	Kleiman, Park & Co.	2,763	July 20, 1875	8	96
Axes	J. F. Mann	2,961	Sept. 21, 1875	8	476
Axle-grease	S. Cupples & Co.	3,152	Nov. 23, 1875	8	862
Axle-grease	W. A. Juvenal	3,243	Dec. 14, 1875	8	928
Axle-grease	G. B. Swift & Co.	3,072	Oct. 19, 1875	8	646
<b>B.</b>					
Baking-powder	Amazon Baking Powder Company	3,078	Oct. 19, 1875	8	646
Baking-powder	Atkins & Ladd	2,456	May 11, 1875	7	7-3
Baking-powder	Clark & Huntington	2,836	Aug. 24, 1875	8	323
Baking-powder	Drisler, Furman & Alexander	2,560	May 18, 1875	7	838
Baking-powder	G. F. Gantz	2,340	Apr. 6, 1875	7	564
Baking-powder	Hamilton & Co.	2,160	Jan. 12, 1875	7	48
Baking-powder	Jewett, Shearman & Co.	2,309	Mar. 23, 1875	7	436
Baking-powder	E. Plumb, Sons & Co.	2,251	Feb. 23, 1875	7	333
Baking-powder	Stockdale, Smith & Co.	2,499	May 11, 1875	7	784
Baking-powder	G. H. Vickery	2,806	Aug. 3, 1875	8	195
Bar-iron, shafting, &c	Pratt & Co.	2,649	June 8, 1875	7	968
Base-balls	Peck & Snyder	2,769	July 20, 1875	8	96
Bathing-powder	F. Rauchfuss	2,246	Feb. 16, 1875	7	261
Bathing-suits	A. J. Tripler	3,171	Nov. 23, 1875	8	863
Bearings, Anti-friction metal and journal	I. X. L. Metal Company	2,480	May 11, 1875	7	784
Bearings, Machinery	L. W. Lathrop	2,930	Sept. 14, 1875	8	439
Bed, Cottage spring	Tucker Manufacturing Company	2,652	June 8, 1875	7	968
Bed, Spring	Tucker Manufacturing Company	2,195	Jan. 26, 1875	7	133
Beds, Spring	W. Lathers	2,345	Apr. 6, 1875	7	564
Beef and beef tongues, Prepared	Whitney & Co.	2,318	Mar. 23, 1875	7	466
Beer	B. Bates	2,785	July 27, 1875	8	149
Beer	B. Bates	2,786	July 27, 1875	8	149
Beer	B. Bates	2,859	Aug. 31, 1875	8	3-4
Beer, Lager	J. E. Kubely	2,620	Jan. 1, 1875	7	9-26
Beer, Pop	C. C. Haley & Co.	3,109	Nov. 2, 1875	8	729
Beer, Tonic	B. Bates	2,787	July 27, 1875	8	149
Beer, white beer, ale, &c., Lager	J. E. Kubely	3,040	Oct. 19, 1875	8	645
Bells	F. A. & G. R. Menckly	2,717	July 6, 1875	8	4
Belt and try-square	St. Johnsburry Tool Company	3,038	Oct. 11, 1875	8	601
Beverages	E. J. Williamson	2,832	Aug. 17, 1875	8	281
Billiard-cue rack	J. M. Brunswick and Blako Company	3,073	Oct. 19, 1875	8	646
Billiard-tables	H. W. Colender	3,079	Oct. 19, 1875	8	646
Blacking	J. Andrews	2,601	June 1, 1875	7	926
Blasting-powder	J. R. Rand & Co.	3,139	Nov. 16, 1875	8	819
Blasting squibs and fuses	S. H. Daddow	2,465	May 11, 1875	7	783
Blue, Ultramarine	Heller & Merz	2,801	Aug. 3, 1875	8	194
Blue, Wash	Heller & Merz	2,830	Aug. 3, 1875	8	194
Blue, Washing	Eastman & Brooks	2,909	Sept. 7, 1875	8	403
Blue, Washing	C. H. Fischer & Co.	2,989	Sept. 28, 1875	8	521
Blue, Washing	S. S. Myers	2,250	Feb. 23, 1875	7	303
Bolting-cloths	Huntley, Holcombe & Heine	2,615	June 1, 1875	7	926
Bonnets and other head-wear for women and children	S. C. Talcott	2,271	Mar. 2, 1875	7	345
Books	Prall & Meese	3,107	Nov. 2, 1875	8	729
Boots	S. R. Heywood & Co.	3,163	Nov. 23, 1875	8	862
Boots	J. H. Walker	2,511	May 18, 1875	7	838
Boots and shoes	Graff, Watkin & Co.	2,331	Mar. 30, 1875	7	516
Boots and shoes	C. H. Howard	3,088	Oct. 26, 1875	8	689
Boots and shoes	C. W. Mundell	2,536	May 18, 1875	7	838
Boots and shoes, Rubber	P. Ware, jr., & Co.	3,144	Nov. 16, 1875	8	830
Boots and shoes, Rubber	L. Candec & Co.	3,130	Nov. 16, 1875	8	819
Boots and shoes, Rubber	National Rubber Company	2,648	June 8, 1875	7	968
Boots and shoes, Rubber	National Rubber Company	2,881	Aug. 31, 1875	8	365
Boots and shoes, Rubber	National Rubber Company	2,882	Aug. 31, 1875	8	365
Boots and shoes, Rubber	National Rubber Company	2,883	Aug. 31, 1875	8	365
Boots and shoes, Rubber	National Rubber Company	2,884	Aug. 31, 1875	8	365
Bottle, Nursing	M. S. Burr & Co.	2,164	Jan. 12, 1875	7	48
Bottles	A. Koch	3,177	Nov. 30, 1875	8	909
Brackets, children's savings-banks, &c	T. Crommelin	2,862	Aug. 31, 1875	8	364
Braid, Worsted	H. N. Daggett	2,192	Jan. 26, 1875	7	133
Braids	Flues, Spielmann & Wolff	2,751	July 20, 1875	8	95

Alphabetical list of trade-marks—Continued.

Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Braids, Silk, worsted, linen, and cotton .....	A. Moll .....	2, 647	June 8, 1875	7	968
Brandy .....	Ives, Beecher & Co. ....	2, 684	June 15, 1875	7	1014
Brandy .....	V. Plauat & Co. ....	2, 976	Sept. 21, 1875	8	476
Brass, German silver, &c .....	Brown & Brothers .....	2, 950	Sept. 21, 1875	8	475
Bread, biscuits, crackers, and cakes .....	J. D. Mason & Co. ....	3, 259	Dec. 21, 1875	8	1034
Bread-raising material .....	Rumford Chemical Works ..	2, 922	Sept. 7, 1875	8	401
Brick, Fire .....	Harrison & Walker .....	2, 307	Mar. 23, 1875	7	466
Brick, Fire .....	Harrison & Walker .....	2, 308	Mar. 23, 1875	7	466
Brick, tiles, &c., Fire .....	McCannell, Porter & Co. ..	2, 586	May 25, 1875	7	880
Bronze alloy and articles made therefrom .....	C. J. A. Dick .....	2, 777	July 20, 1875	8	96
Broom and tool holder .....	H. Carsley .....	2, 791	July 27, 1875	8	149
Buckles, Trace .....	H. S. Woodruff & Co. ....	3, 123	Nov. 2, 1875	8	730
Butter .....	W. Jex & Co. ....	3, 014	Oct. 5, 1875	8	561
Buttons .....	A. B. Lewis .....	3, 244	Dec. 14, 1875	8	988
Buttons .....	A. and E. Wallach .....	3, 099	Oct. 26, 1875	8	689
C.					
Cakes, crackers, and biscuits .....	D. B. Fuller & Co. ....	2, 475	May 11, 1875	7	784
Cakes, crackers, and biscuits .....	W. G. Wilson & Co. ....	3, 039	Oct. 11, 1875	8	601
Calendars and almanacs .....	C. E. Wemple & Co. ....	2, 654	June 8, 1875	7	968
Candle .....	C. Harkness .....	2, 810	Aug. 3, 1875	8	195
Candles and toys, Christmas .....	A. Weidman & Co. ....	3, 054	Oct. 19, 1875	8	646
Canned fruits and vegetables .....	Griffith & Drakeley .....	3, 031	Oct. 11, 1875	8	601
Canned goods .....	Kemp, Day & Co. ....	2, 481	May 11, 1875	7	784
Canned goods .....	J. G. Kraft & Co. ....	3, 136	Nov. 16, 1875	8	819
Canned goods, Hermetically-sealed .....	I. B. Brinkley .....	2, 812	Aug. 10, 1875	8	241
Canned goods, Hermetically-sealed .....	C. G. Summers & Co. ....	2, 822	Aug. 10, 1875	8	241
Canned lobsters .....	Kimball & Jewett .....	3, 142	Nov. 2, 1875	8	729
Canned oysters .....	S. C. Johnson .....	3, 176	Nov. 30, 1875	8	909
Canned oysters and fruits .....	W. R. Barnes & Co. ....	2, 656	June 8, 1875	7	969
Canned oysters, fruits, &c .....	Pick & Chase .....	3, 175	Nov. 30, 1875	8	909
Canned plum pudding .....	Atmore & Son .....	2, 734	July 13, 1875	8	49
Card, Playing .....	V. E. Magure .....	2, 156	Jan. 5, 1875	7	6
Cards, Playing .....	I. Levy .....	3, 269	Dec. 21, 1875	8	1034
Cards, Playing .....	I. Levy .....	3, 270	Dec. 21, 1875	8	1035
Cards, Playing .....	W. F. Miller and F. D. Montgomery ..	2, 767	July 20, 1875	8	96
Carpet-lining and stair-pad .....	G. W. Chipman & Co. ....	2, 280	Mar. 9, 1875	7	387
Carpet-warp .....	H. E. Vogell .....	2, 173	Jan. 19, 1875	7	93
Carpets .....	W. H. Hankinson .....	2, 957	Sept. 21, 1875	8	476
Carpets .....	A. T. Stewart & Co. ....	3, 122	Nov. 2, 1875	8	730
Cassimeres, &c .....	New England Company .....	2, 718	July 6, 1875	8	4
Caviar .....	M. Ams .....	3, 028	Oct. 11, 1875	8	601
Cement, Hydraulic .....	Rock Haven Cement Company ..	3, 202	Dec. 7, 1875	8	946
Champagne .....	Moëb & Chaudon .....	2, 436	May 4, 1875	7	743
Champagne wine .....	A. J. Cohen .....	3, 009	Oct. 5, 1875	8	561
Champagne wine .....	F. De Bary & Co. ....	2, 466	May 11, 1875	7	783
Chemical compound .....	Brower & Co. ....	2, 561	Aug. 31, 1875	8	364
Chemical compound .....	M. A. Goldstoue .....	2, 584	May 25, 1875	7	880
Chicory .....	Binne & Co. ....	2, 71	July 6, 1875	8	4
Chisels, plane-irons, and other light-edged tools .....	Buck Brothers .....	2, 602	June 1, 1875	7	936
Churn .....	W. P. Emmert .....	2, 469	May 11, 1875	7	783
Churns .....	P. Blanchard's Sons .....	2, 770	July 20, 1875	8	96
Cider-mills .....	Whitman Agricultural Works ..	2, 336	Mar. 30, 1875	7	516
Cigars .....	G. Alcott .....	3, 250	Dec. 28, 1875	8	1076
Cigars .....	C. Beckert .....	2, 938	Sept. 14, 1875	8	439
Cigars .....	G. H. Bolenius & Co. ....	3, 059	Oct. 19, 1875	8	646
Cigars .....	C. H. Brenaman & Co. ....	2, 197	Feb. 2, 1875	7	181
Cigars .....	J. B. Cohen .....	3, 126	Nov. 9, 1875	8	777
Cigars .....	F. De Bary & Co. ....	2, 228	Feb. 16, 1875	7	261
Cigars .....	F. De Bary & Co. ....	2, 467	May 11, 1875	7	783
Cigars .....	F. De Bary & Co. ....	2, 580	May 25, 1875	7	880
Cigars .....	F. De Bary & Co. ....	2, 659	June 8, 1875	7	969
Cigars .....	F. De Bary & Co. ....	2, 666	June 15, 1875	7	1014
Cigars .....	F. De Bary & Co. ....	2, 925	Sept. 14, 1875	8	439
Cigars .....	F. De Bary & Co. ....	2, 926	Sept. 14, 1875	8	439
Cigars .....	F. Dittmer .....	2, 25	Feb. 2, 1875	7	181
Cigars .....	Farrington & Schmahl .....	3, 155	Nov. 23, 1875	8	862
Cigars .....	Farrington & Schmahl .....	3, 156	Nov. 23, 1875	8	862
Cigars .....	W. P. Farrington .....	3, 227	Dec. 14, 1875	8	988
Cigars .....	Feldman & Schuecrman .....	2, 199	Feb. 2, 1875	7	181
Cigars .....	A. W. Foot .....	2, 255	Feb. 23, 1875	7	303
Cigars .....	Foster, Hilson & Co. ....	2, 677	June 15, 1875	7	1014
Cigars .....	Freedman, Hesslein & Co. ....	2, 151	Jan. 5, 1875	7	6
Cigars .....	Freedman, Hesslein & Co. ....	3, 157	Nov. 23, 1875	8	862
Cigars .....	Freedman, Hesslein & Co. ....	3, 158	Nov. 23, 1875	8	862
Cigars .....	F. Glahn .....	3, 086	Oct. 26, 1875	8	659
Cigars .....	Goldsmith & Newburgh .....	2, 257	Feb. 23, 1875	7	303
Cigars .....	F. Hachmel .....	2, 574	May 18, 1875	7	839
Cigars .....	Harned & Co. ....	2, 290	Mar. 16, 1875	7	427
Cigars .....	Haworth & Williams .....	2, 562	May 18, 1875	7	838
Cigars, &c .....	Heppenhäimer & Maurer .....	2, 991	Sept. 28, 1875	8	521
Cigars .....	S. Jacoby & Co. ....	2, 322	Mar. 30, 1875	7	516
Cigars .....	S. Jacoby & Co. ....	2, 661	June 8, 1875	7	969
Cigars .....	S. Jacoby & Co. ....	2, 662	June 8, 1875	7	969
Cigars .....	Kerbs & Spiess .....	2, 316	Mar. 23, 1875	7	466
Cigars .....	Kremer Brothers & Co. ....	3, 113	Nov. 2, 1875	8	730
Cigars .....	P. Kumpf .....	3, 049	Oct. 19, 1875	8	646
Cigars .....	Lewis Brothers .....	3, 165	Nov. 23, 1875	8	862
Cigars .....	Lichtenstein Brothers & Co. ....	2, 237	Feb. 16, 1875	7	261
Cigars .....	Lichtenstein Brothers & Co. ....	2, 792	July 27, 1875	8	149
Cigars .....	Lichtenstein Brothers & Co. ....	2, 793	July 27, 1875	8	149
Cigars .....	A. Lichtenstein & Brother .....	2, 626	June 15, 1875	7	1014
Cigars .....	A. Lichtenstein & Brother .....	2, 687	June 15, 1875	7	1014
Cigars .....	S. Lowenthal .....	2, 155	Jan. 5, 1875	7	6

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Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Cigars	S. Lowenthal & Co	2,161	Jan. 12, 1875	7	48
Cigars	S. Lowenthal & Co	2,249	Feb. 23, 1875	7	303
Cigars	Massachusetts Cigar Makers' Co-operative Association.	2,877	Aug. 31, 1875	8	365
Cigars	J. F. Miles	2,183	Jan. 19, 1875	7	93
Cigars	L. C. Pardee	3,232	Dec. 14, 1875	8	989
Cigars	L. C. Pardee	3,273	Dec. 21, 1875	8	1035
Cigars	L. C. Pardee	3,274	Dec. 21, 1875	8	1035
Cigars	P. Pohalski	2,494	May 11, 1875	7	784
Cigars	Roberts & Fulweiler	2,277	Mar. 9, 1875	7	387
Cigars	C. C. Saums	2,568	May 18, 1875	7	838
Cigars	A. Schuneman & Co	2,294	Mar. 16, 1875	7	427
Cigars	Seidenberg & Co.	2,208	Feb. 2, 1875	7	181
Cigars	J. M. Scip	2,241	Feb. 16, 1875	7	261
Cigars	M. Stachelberg & Co.	2,201	Feb. 2, 1875	7	181
Cigars	Sullivan & Burk	3,128	Nov. 9, 1875	8	777
Cigars	H. K. Thurber & Co	2,804	Aug. 3, 1875	8	195
Cigars	Westfield Cigar-Maker's Co-operative Association.	2,731	July 6, 1875	8	5
Cigars	White & Meeracken	2,227	Feb. 9, 1875	7	223
Cigars	Whitlock & Abrams	2,571	May 18, 1875	7	859
Cigars	G. Wiener	2,217	Feb. 9, 1875	7	223
Cigars and cigarettes	G. Solomon	2,240	Feb. 16, 1875	7	261
Cigars and tobacco	Consolidated Tobacco Company	2,209	Feb. 2, 1875	7	181
Cigars and tobacco	H. Gaullieur	3,108	Nov. 2, 1875	8	729
Cigars and tobacco	Holzmann & Dentschberger	3,267	Dec. 21, 1875	8	1034
Cigars and tobacco	A. Lichtenstein & Brother	3,062	Oct. 19, 1875	8	646
Cigars and tobacco	A. Lichtenstein & Brother	3,063	Oct. 19, 1875	8	646
Cigars and tobacco	Lichtenstein Brothers & Co.	2,794	July 27, 1875	8	149
Cigars and tobacco	L. Mohr	2,819	Aug. 10, 1875	8	241
Cigars and tobacco	J. M. Mora & Co	3,034	Oct. 11, 1875	8	601
Cigars and tobacco	W. C. Nicholson	3,118	Nov. 2, 1875	8	730
Cigars and tobacco	W. C. Nicholson	3,119	Nov. 2, 1875	8	730
Cigars and tobacco	V. N. Ybor & Co	3,287	Dec. 28, 1875	8	1077
Cigars and tobacco, Manufactured.	Jones Brothers & Co	3,268	Dec. 21, 1875	8	1034
Cigars, cheroots, and cigarettes	F. S. Kinney	2,617	June 1, 1875	7	926
Cigars, cheroots, cigarettes, and smoking-tobacco	F. S. Kinney	2,618	June 1, 1875	7	926
Cigars, cheroots, cigarettes, and smoking-tobacco	F. S. Kinney	2,615	June 8, 1875	7	969
Cigars, cheroots, cigarettes, and smoking-tobacco	F. S. Kinney	2,616	June 8, 1875	7	968
Cigars, cheroots, cigarettes, and smoking-tobacco	F. S. Kinney	2,713	July 6, 1875	8	4
Cigars, cigarettes, smoking and chewing tobacco.	J. A. Poitiers	3,250	Dec. 14, 1875	8	988
Cigars, tobacco, and snuff	Batchelor Brothers	2,275	Mar. 9, 1875	7	367
Clay pipes	Hopkins & Robinson Manufacturing Company.	2,614	June 1, 1875	7	926
Clock-springs	W. Barnes	2,786	Aug. 3, 1875	8	194
Clocks	F. Kroeber	2,222	Feb. 16, 1875	7	261
Clocks	F. Kroeber	2,233	Feb. 16, 1875	7	261
Clocks	F. Kroeber	2,234	Feb. 16, 1875	7	261
Clocks	F. Kroeber	2,235	Feb. 16, 1875	7	261
Clocks	F. Kroeber	2,236	Feb. 16, 1875	7	261
Clocks	Southern Calendar-Clock Company	3,022	Oct. 11, 1875	8	600
Cloth and farmers' satin, Italian	Fleitmunn & Co.	3,265	Dec. 21, 1875	8	1034
Cloth and farmers' satin, Italian	Fleituann & Co.	3,266	Dec. 21, 1875	8	1034
Cloth, Grey	L. Pomeroy's Sons	2,355	Apr. 6, 1875	7	561
Cloth or men's wear	E. T. Steel & Co.	2,720	July 6, 1875	8	4
Cloth, Woolen	Middlesex Company	2,487	May 11, 1875	7	784
Clothes-pins	D. Staples and J. S. Brown	2,850	Aug. 24, 1875	8	323
Clothes-pins	R. Warner & Co	3,183	Nov. 30, 1875	8	909
Clothes-wringers	Bailey Washing and Wringing Machine Company.	2,575	May 25, 1875	7	879
Clothes-wringers	Bailey Washing and Wringing Machine Company.	2,576	May 25, 1875	7	879
Coal	Lykens Valley Coal Company	2,447	May 4, 1875	7	783
Coal	Mineral Railroad and Mining Company	2,448	May 4, 1875	7	783
Coal	Summit Branch Railroad Company	2,449	May 4, 1875	7	783
Coffee	Barkley & Hasson	2,174	Jan. 19, 1875	7	93
Coffee	Barkley & Hasson	2,175	Jan. 19, 1875	7	93
Coffee	D. Focht & Co	2,434	May 4, 1875	7	743
Coffee	Gillespie, Zeller & Co	2,667	June 15, 1875	7	1014
Coffee	J. W. Hamblet	2,476	May 11, 1875	7	784
Coffee and ground spices, Roasted and ground.	Coyle, Laughlin & Co	2,735	July 13, 1875	8	49
Coffee and tea making utensils	N. S. McFarland	3,006	Oct. 5, 1875	8	561
Coffee, Roasted	G. Boyd & Co	2,432	May 4, 1875	7	743
Coffee, Roasted	Zoller & Little	2,451	May 4, 1875	7	783
Coffee, Roasted	Zoller & Little	2,452	May 4, 1875	7	783
Coffee, spices, and mustard	Janney & Andrews	2,846	Aug. 24, 1875	8	323
Coffee, spices, baking-powder, &c.	E. H. Garbutt & Co.	2,582	May 25, 1875	7	880
Coffee, spices, mustard, &c.	J. M. Earle	2,330	Mar. 30, 1875	7	516
Coffees, teas, and spices	D. Focht & Co	2,401	Apr. 20, 1875	7	652
Collars and cuffs	Medbery & Mann	2,622	June 1, 1875	7	926
Collars and cuffs	Medbery & Mann	2,623	June 1, 1875	7	926
Collars and cuffs, Ladies' and gentlemen's	Pine, Miller & Dunham	2,493	May 11, 1875	7	784
Collars, Cloth-faced or paper	Medbery & Mann	2,448	Apr. 6, 1875	7	564
Cologne	G. C. Goodwin & Co.	2,754	July 20, 1875	8	95
Combs	B. F. Britton	2,965	Sept. 7, 1875	8	463
Combs	B. F. Britton	2,920	Sept. 7, 1875	8	404
Combs	B. F. Britton	2,923	Sept. 14, 1875	8	439
Combs	India Rubber Comb Company	3,026	Oct. 11, 1875	8	660
Combs	Thomson, Langdon & Co.	3,026	Oct. 11, 1875	8	660
Combs, druggists' articles, &c., Rubber	India Rubber Comb Company	3,096	Oct. 26, 1875	8	689
Combs, druggists' articles, &c., Rubber	India Rubber Comb Company	3,169	Nov. 23, 1875	8	863
Combs, India-rubber	India Rubber Comb Company	3,170	Nov. 23, 1875	8	863
Confectionery	S. F. Whitman & Son	3,876	Oct. 19, 1875	8	646
Coolers and refrigerators	E. K. Howes	3,005	Oct. 5, 1875	8	561
Cordials, sirups, and preserves	G. W. Dunbar & Sons	2,691	June 22, 1875	7	1057
Cords, linges, ribbons, &c.	Silbermann, Heinemann & Co	2,997	Sept. 28, 1875	8	521



Alphabetical list of trade-marks—Continued.

Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Corn and wheat mill.....	H. D. Coleman.....	2,750	July 20, 1875	8	95
Corn, Evaporated sugar.....	T. Roberts & Co.....	2,986	Sept. 21, 1875	8	476
Corset-clasp.....	Cooley, Bigelow & Nichols.....	3,194	Dec. 7, 1875	8	946
Corset-steels.....	Lessy & Young.....	2,370	Apr. 13, 1875	7	610
Corsets.....	M. K. Bortree & Co.....	2,987	Sept. 28, 1875	8	521
Corsets.....	S. Kleinberger.....	2,409	Apr. 20, 1875	7	652
Corsets.....	Ottenheimer, Rothschild & Co.....	2,589	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,590	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,591	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,592	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,593	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,594	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,595	May 25, 1875	7	880
Corsets.....	Ottenheimer, Rothschild & Co.....	2,596	May 25, 1875	7	880
Corsets.....	United States Corset Company.....	2,377	Apr. 13, 1875	7	610
Corsets.....	United States Corset Company.....	2,378	Apr. 13, 1875	7	610
Corsets.....	United States Corset Company.....	2,633	June 1, 1875	7	927
Corsets.....	United States Corset Company.....	2,653	June 8, 1875	7	968
Cosmetic.....	A. Deland.....	2,254	Feb. 23, 1875	7	303
Cotton and woolen fabrics.....	Hamilton Woolen Company.....	2,477	May 11, 1875	7	784
Cotton and woolen fabrics.....	Hamilton Woolen Company.....	2,478	May 11, 1875	7	784
Cotton cassimere.....	Bliss & Allen.....	2,204	Feb. 2, 1875	7	181
Cotton fabrics.....	Greenville Manufacturing Company.....	2,921	Sept. 7, 1875	8	404
Cotton fabrics.....	Pingree, Woods & Clark.....	3,200	Dec. 7, 1875	8	946
Cotton fabrics, Woven.....	Miout, Hooper & Co.....	2,784	July 20, 1875	8	96
Cotton fabrics, Woven.....	Miout, Hooper & Co.....	2,878	Aug. 31, 1875	8	365
Cotton fabrics, Woven.....	Miout, Hooper & Co.....	2,879	Aug. 31, 1875	8	365
Cotton fabrics, Woven.....	Miout, Hooper & Co.....	2,880	Aug. 31, 1875	8	365
Cotton flannel.....	Tremont and Suffolk Mills.....	2,725	July 6, 1875	8	5
Cotton jean.....	Namkeag Steam Cotton Company.....	2,188	Jan. 26, 1875	7	133
Cotton-press.....	T. C. Nisbet.....	2,260	Feb. 23, 1875	7	303
Cotton print.....	Hamilton Woolen Company.....	2,332	Mar. 30, 1875	7	516
Cotton print.....	Hamilton Woolen Company.....	2,757	July 20, 1875	8	96
Cotton sheetings and shirtings.....	Monohansett Manufacturing Company.....	2,351	Apr. 6, 1875	7	564
Cotton, woolen, and other fabrics.....	Hamilton Woolen Company.....	2,588	May 18, 1875	7	837
Cotton-working machine.....	R. H. Allen & Co.....	2,287	Mar. 2, 1875	7	345
Cottonades, &c.....	A. B. Taylor.....	3,101	Oct. 26, 1875	8	689
Crackers, biscuits, cakes, &c.....	D. Carrick & Co.....	2,603	June 1, 1875	7	826
Crayons and pencils.....	French Chalk, Crayon, and Pencil Company.....	3,271	Dec. 21, 1875	8	1035
Cream of tartar.....	Packard & James.....	2,968	Sept. 21, 1875	8	476
Cream of tartar.....	Packard & James.....	2,969	Sept. 21, 1875	8	476
Cream of tartar.....	Packard & James.....	2,970	Sept. 21, 1875	8	476
Cream of tartar.....	Packard & James.....	2,971	Sept. 21, 1875	8	476
Cream of tartar.....	Packard & James.....	3,180	Nov. 30, 1875	8	909
Curtain-fixture.....	S. S. Putnam.....	2,781	July 20, 1875	8	96
Cutlery.....	W. Brokhabne.....	2,379	Apr. 13, 1875	7	611
Cutlery and surgical instruments.....	W. Clauberg.....	2,703	July 6, 1875	8	4
D.					
Dental purposes, Stopping for.....	I. Cole.....	2,464	May 11, 1875	7	783
Dentifrices.....	C. Bullock.....	2,313	Mar. 23, 1875	7	466
Devised entremet.....	W. Underwood & Co.....	2,297	Mar. 16, 1875	7	427
Distilled spirits.....	Freiberg & Worum.....	2,402	Apr. 20, 1875	7	652
Dress and other dry goods.....	A. Person, Harriman & Co.....	2,972	Sept. 21, 1875	8	476
Dress and other dry goods.....	A. Person, Harriman & Co.....	2,973	Sept. 21, 1875	8	476
Dress and other dry goods.....	A. Person, Harriman & Co.....	2,974	Sept. 21, 1875	8	476
Dress and other dry goods.....	A. Person, Harriman & Co.....	2,975	Sept. 21, 1875	8	476
Dress-shields.....	H. D. & R. Lockwood.....	2,485	May 11, 1875	7	784
Dresses and under-garments, Ladies' and children's.....	H. S. Hutchinson.....	2,644	June 8, 1875	7	968
Drug.....	E. Foguera & Co.....	2,186	Jan. 26, 1875	7	133
Druggists' preparations.....	J. Gilbert & Co.....	3,242	Dec. 14, 1875	8	988
Dry goods.....	Wechsler, Abraham & Co.....	3,018	Oct. 5, 1875	8	561
Dry goods, Fancy and other.....	E. Flaxland & Co.....	2,221	Feb. 9, 1875	7	223
Dry goods, Fancy and other.....	E. Flaxland & Co.....	2,222	Feb. 9, 1875	7	223
Dryers, drying-oils, and varnishea.....	Walter & Fielding.....	2,983	Sept. 21, 1875	8	476
Dyeing chemical.....	Weeks & Dufee.....	2,301	Mar. 16, 1875	7	427
E.					
Electro-voltaic band.....	Volta Belt Company.....	2,728	July 6, 1875	6	5
Eraser, Rubber.....	E. Faber.....	3,133	Nov. 16, 1875	8	819
Eraser, Rubber.....	R. Lockwood.....	2,874	Aug. 31, 1875	8	865
F.					
Fans.....	M. Gillet & Co.....	2,840	Aug. 24, 1875	8	323
Fans.....	M. Gillet & Co.....	2,841	Aug. 24, 1875	8	323
Fans.....	M. Gillet & Co.....	2,842	Aug. 24, 1875	8	323
Fans.....	M. Gillet & Co.....	2,843	Aug. 24, 1875	8	323
Fans.....	M. Gillet & Co.....	2,844	Aug. 25, 1875	8	323
Fans.....	Hecht Brothers.....	2,640	June 8, 1875	7	968
Fans.....	Hecht Brothers.....	2,641	June 8, 1875	7	968
Fans.....	Hecht Brothers.....	2,642	June 8, 1875	7	968
Fans.....	Hecht Brothers.....	2,643	June 8, 1875	7	968
Fans.....	S. C. Talcott.....	2,272	Mar. 2, 1875	7	345
Fans.....	A. A. Valentine & Co.....	2,673	June 15, 1875	7	1014
Fertilizer.....	J. J. Allen's Sons.....	2,454	May 11, 1875	7	783
Fertilizer.....	J. J. Allen's Sons.....	2,455	May 11, 1875	7	783
Fertilizer.....	Atlantic and Virginia Fertilizing Company.....	2,948	Sept. 21, 1875	8	475
Fertilizer.....	Atlantic and Virginia Fertilizing Company.....	3,084	Oct. 26, 1875	8	689
Fertilizer.....	Burkholder & Wilson.....	3,281	Dec. 28, 1875	8	1076

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Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Fertilizer.....	L. L. Crocker .....	2,906	Sept. 7, 1875	8	403
Fertilizer.....	Dugdale & Girvin .....	2,807	Aug. 3, 1875	8	195
Fertilizer.....	Dugdale & Girvin .....	2,808	Aug. 3, 1875	8	195
Fertilizer.....	J. Horner, jr. ....	2,711	July 6, 1875	8	4
Fertilizer.....	Manufacturers' Combination.....	2,985	Sept. 21, 1875	8	476
Fertilizer.....	Manufacturers' Combination.....	3,019	Oct. 11, 1875	8	600
Fertilizer.....	Patapasco Guano Company .....	2,284	Mar. 9, 1875	7	387
Fertilizer.....	Patapasco Guano Company .....	2,300	Mar. 16, 1875	7	427
Fertilizer.....	C. Perry .....	3,121	Nov. 30, 1875	8	909
Fertilizer.....	Ralston & Kirke .....	3,234	Dec. 14, 1875	8	988
Fertilizer.....	J. J. Turner & Co .....	2,509	May 11, 1875	7	784
Fertilizer.....	Walton, Whann & Co .....	2,242	Feb. 16, 1875	7	261
Fertilizer.....	Walton, Whann & Co .....	2,729	July 6, 1875	8	5
Fertilizer.....	Walton, Whann & Co .....	2,730	July 6, 1875	8	5
Fertilizer.....	Walton, Whann & Co .....	3,240	Dec. 14, 1875	8	988
Fertilizer, Commercial.....	H. M. Hooper .....	2,276	Mar. 9, 1875	7	387
Fertilizer, Commercial.....	Walton, Whann & Co .....	2,695	June 22, 1875	7	1057
Fertilizing material.....	C. O. Root .....	2,497	May 11, 1875	7	784
Fever and ague pad.....	W. F. Kidder .....	3,033	Oct. 11, 1875	8	601
Files, Self-indexing.....	W. A. Amberg .....	2,946	Sept. 21, 1875	8	475
Files, Self-indexing.....	W. A. Amberg .....	2,947	Sept. 21, 1875	8	475
Finger-ring.....	H. Muhr's Sons .....	3,089	Oct. 26, 1875	8	689
Fin-ekindler and prepared fuel.....	J. D. Husbands, jr. ....	2,181	Jan. 19, 1875	7	93
Fish.....	F. Snow & Co .....	3,021	Oct. 11, 1875	8	600
Fish, Preserved.....	Eagle Preserved Fish Company .....	2,410	Apr. 20, 1875	7	652
Fish, Preserved.....	I. C. Mayo .....	2,486	May 11, 1875	7	784
Flannels and cottonades.....	Porter & Dickey .....	3,166	Nov. 23, 1875	8	863
Floor-cloths and similar fabrics.....	F. Walton.....	2,335	Mar. 30, 1875	7	516
Flour.....	M. R. Bortree & Co .....	2,674	June 15, 1875	7	1014
Flour.....	L. Day & Co .....	2,604	June 1, 1875	7	926
Flour.....	L. Day & Co .....	2,605	June 1, 1875	7	926
Flour.....	L. Day & Co .....	2,606	June 1, 1875	7	926
Flour.....	Day, Rollins & Co .....	2,607	June 1, 1875	7	926
Flour.....	Day, Rollins & Co .....	2,608	June 1, 1875	7	926
Flour.....	Day, Rollins & Co .....	2,609	June 1, 1875	7	926
Flour.....	Day, Rollins & Co .....	2,610	June 1, 1875	7	926
Flour.....	Empire Mill Company .....	2,891	Aug. 31, 1875	8	365
Flour.....	Empire Mill Company .....	3,235	Dec. 14, 1875	8	988
Flour.....	W. M. Galt .....	2,829	Aug. 17, 1875	8	281
Flour.....	Halliday Brothers.....	3,160	Nov. 23, 1875	8	862
Flour.....	Halliday Brothers.....	3,161	Nov. 23, 1875	8	862
Flour.....	Halliday Brothers.....	3,162	Nov. 23, 1875	8	862
Flour.....	Imbs, Meyer & Co .....	2,869	Aug. 31, 1875	8	365
Flour.....	F. W. Jenkins & Bro .....	2,870	Aug. 31, 1875	8	365
Flour.....	F. W. Jenkins & Bro .....	2,871	Aug. 31, 1875	8	365
Flour.....	T. C. Jenkins .....	2,292	Mar. 16, 1875	7	427
Flour.....	T. C. Jenkins .....	2,872	Aug. 31, 1875	8	365
Flour.....	C. A. Pillsbury .....	2,940	Sept. 14, 1875	8	439
Flour.....	Shaw, Hammond & Carney .....	3,204	Dec. 7, 1875	8	946
Flour.....	T. G. Stewart & Co .....	3,207	Dec. 7, 1875	8	946
Flour.....	T. G. Stewart & Co .....	3,208	Dec. 7, 1875	8	946
Flour.....	G. Swigart .....	2,887	Aug. 31, 1875	8	365
Flour.....	A. A. Taylor .....	2,325	Mar. 30, 1875	7	516
Flour.....	G. C. Thilemius .....	3,236	Dec. 14, 1875	8	988
Flour.....	G. C. Thilemius .....	3,237	Dec. 14, 1875	8	988
Flour, Corn.....	Glen Cove Starch Manufacturing Company.....	2,639	June 8, 1875	7	968
Flour, Corn.....	Glen Cove Starch Manufacturing Company.....	2,929	Sept. 14, 1875	8	439
Flour, Preparation of corn.....	Glen Cove Starch Manufacturing Company.....	2,404	Apr. 20, 1875	7	652
Fluid, Burning.....	B. A. Rose .....	2,298	Mar. 16, 1875	7	427
Fluting-machine.....	C. Felder .....	2,954	Sept. 21, 1875	8	476
Fly and grasshopper exterminator, Plant.....	G. W. Powell.....	3,068	Oct. 19, 1875	8	646
Fly-catcher.....	C. F. Burks .....	2,702	July 6, 1875	8	4
Food for children.....	C. Mayne .....	3,246	Dec. 14, 1875	8	988
Food for children.....	C. Mayne .....	3,247	Dec. 14, 1875	8	988
Food for children.....	C. Mayne .....	3,247	Dec. 14, 1875	8	988
Food for horses and cattle.....	G. Gordon .....	3,030	Oct. 11, 1875	8	601
Food for poultry, Egg-producing.....	L. H. Sherwood & Co .....	2,270	Mar. 2, 1875	7	345
Food made from wheat.....	E. R. Durkee & Co .....	2,263	Mar. 2, 1875	7	345
Fringes, ribbons, and trimmings.....	Silbermann, Heinemann & Co .....	2,849	Aug. 24, 1875	8	323
Fruit-butter.....	J. O. Schimmel & Co .....	3,100	Oct. 26, 1875	8	689
Furniture-polish.....	A. B. Dumm .....	3,173	Nov. 30, 1875	8	909
G.					
Garments, Filet under.....	C. Mez & Sons .....	2,565	May 18, 1875	7	838
Gimlet.....	E. A. Goddard .....	2,753	July 20, 1875	8	95
Gin.....	Adams & Taylor.....	2,413	May 4, 1875	7	742
Gin.....	Adams & Taylor.....	3,415	May 4, 1875	7	742
Gin.....	Adams & Taylor.....	2,453	May 11, 1875	7	783
Gin.....	Adams, Blake & Taylor.....	2,417	May 4, 1875	7	742
Gin.....	Gill & Lootz .....	2,583	May 25, 1875	7	80
Gin.....	Leszynsky & Tromp .....	2,960	Sept. 21, 1875	8	476
Gin.....	A. E. Masters, jr. ....	3,117	Nov. 2, 1875	8	730
Gin.....	M. E. Osborn & Co .....	2,670	June 15, 1875	7	1014
Gin.....	I. D. Richards & Sons .....	2,498	May 11, 1875	7	784
Gin.....	I. D. Richards & Sons .....	2,719	July 6, 1875	8	4
Gin.....	I. D. Richards & Sons .....	2,782	July 20, 1875	8	96
Gin.....	I. D. Richards & Sons .....	2,693	June 22, 1875	7	1057
Gin.....	T. L. Smith .....	2,282	Mar. 9, 1875	7	387
Gin, Holland.....	C. A. Hubbard .....	3,027	Oct. 11, 1875	8	601
Gin, Schiedam.....	G. Whiteley .....	3,042	Oct. 19, 1875	8	645
Glass, Silvered.....	D. Durand .....	3,042	Oct. 19, 1875	8	645
Gloves.....	M. Beeber & Co .....	3,253	Dec. 21, 1875	8	1034

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Gloves .....	P. Healey .....	3, 110	Nov. 2, 1875	8	729
Gloves .....	E. Jomainx & Co. ....	2, 817	Aug. 10, 1875	8	241
Gloves .....	Wertheimer & Co. ....	2, 898	Aug. 31, 1875	8	365
Gloves, embroideries, and ribbons	Passavant & Co. ....	2, 407	Apr. 20, 1875	7	652
Gloves, Kid .....	Harris Brothers .....	2, 214	Feb. 9, 1875	7	223
Gloves, Kid .....	R. H. White & Co. ....	3, 145	Nov. 16, 1875	8	820
Gloves, Kid .....	R. H. White & Co. ....	3, 146	Nov. 16, 1875	8	820
Gloves, Kid or lambskin	Harris Brothers .....	2, 269	Mar. 2, 1875	7	345
Glue, gelatine, and sizing	Baeder, Adamson & Co. ....	3, 223	Dec. 14, 1875	8	988
Grain-separators	O. K. Wood & Co. ....	3, 187	Nov. 30, 1875	8	909
Grain-separators	O. K. Wood & Co. ....	3, 188	Nov. 30, 1875	8	909
Grates .....	F. S. Bissel .....	2, 657	June 8, 1875	7	969
Grinding mill, Fruit, &c	Higginum Manufacturing Company	2, 274	Mar. 2, 1875	7	345
Gun, Double-barrel breech-loading	B. Kittredge & Co. ....	2, 762	July 20, 1875	8	96
Guupowder .....	Miami Powder Company .....	2, 540	May 18, 1875	7	838
II.					
Hair-dressing preparation .....	W. N. Hedges & Co. ....	3, 046	Oct. 19, 1875	8	646
Hair-producer .....	H. A. Moore .....	3, 261	Dec. 21, 1875	8	1034
Hams, &c .....	Evans Brothers .....	2, 305	Mar. 23, 1875	7	466
Hams .....	Evans, Lippencott & Cunningham	2, 470	May 11, 1875	7	783
Hams .....	C. D. Sabin .....	2, 189	Jan. 26, 1875	7	133
Hams, beef, and tongue.	J. H. Michener & Co. ....	2, 283	Mar. 9, 1875	7	387
Hardware .....	F. Armstrong .....	2, 857	Aug. 31, 1875	8	364
Hardware, Builders'	Clark & Co. ....	2, 365	Apr. 13, 1875	7	610
Hardware, Carriage	C. Cowles & Co. ....	2, 658	June 8, 1875	7	969
Harness .....	J. R. Hill & Co. ....	2, 530	May 18, 1875	7	837
Harnesses and carriages, Hard-rubber-coated mountings for	A. Albright .....	2, 218	Feb. 9, 1875	7	223
Harvester rake, dropper, reel, &c	Whiteley, Fassler & Kelly	3, 185	Nov. 30, 1875	8	909
Harvesters, Guard-fingers, knife-sections, &c., of	Whiteley, Fassler & Kelly	3, 186	Nov. 30, 1875	8	909
Harvesting-machine	Whiteley, Fassler & Kelly	3, 184	Nov. 30, 1875	8	909
Hats .....	Malloy Manufacturing Company	2, 688	June 15, 1875	7	1014
Hats and caps	S. C. Talcott .....	2, 273	Mar. 2, 1875	7	345
Hats, caps, &c	F. Dodd .....	3, 131	Nov. 16, 1875	8	819
Hats, caps, furs, and straw goods	Boyden, Malloy & Co. ....	3, 125	Nov. 9, 1875	8	777
Heaters, ranges, and grate-work	D. Mershon's Sons .....	2, 323	Mar. 30, 1875	7	516
Hinge, Blind	Clark & Co. ....	2, 894	Aug. 31, 1875	8	365
Hoe, Frong	Reisig & Hexamer .....	2, 293	Mar. 16, 1875	7	427
Hoes, forks, rakes, &c	Tuttle Manufacturing Company	2, 855	Aug. 24, 1875	8	323
Horse-nails .....	Northwestern Horse Nail Company	2, 490	May 11, 1875	7	784
Hose for pumps, engines, &c	Wannalaust Manufacturing Company	2, 327	Mar. 30, 1875	7	516
Hose, Wooden	A. P. Olzendam .....	2, 768	July 20, 1875	8	96
Hosiery .....	J. J. Glazier, Brother & Co	2, 680	June 15, 1875	7	1014
Hosiery .....	Kibbe, Chaffee & Co .....	2, 685	June 15, 1875	7	1014
I.					
India-rubber goods .....	J. M. Corwin .....	3, 256	Dec. 21, 1875	8	1034
India-rubber goods	Iodia Rubber Comb Company	2, 934	Sept. 14, 1875	8	439
Indigo blue dye	J. Marble & Co. ....	2, 876	Aug. 31, 1875	8	365
Ink, Indelible	A. L. Williston .....	2, 893	Aug. 31, 1875	8	365
Inks, Copyable printing and writing	L. D. Bertot .....	2, 379	Apr. 20, 1875	7	652
Inks, Writing and copying	Lockwood, Brooks & Co. ....	3, 691	Oct. 26, 1875	8	689
Insect-powder .....	C. N. Crittenton .....	2, 814	Aug. 10, 1875	8	241
Iron, Galvanized sheet	McCullough Iron Company	2, 423	May 4, 1875	7	743
Iron, Galvanized sheet	McCullough Iron Company	2, 533	May 18, 1875	7	838
Iron, Pig .....	Bay State Iron Company	2, 338	Apr. 6, 1875	7	564
Iron pipe, Wrought	Evans, Clow, Dalzell & Co	2, 838	Aug. 24, 1875	8	323
Iron, Sheet .....	J. Wood & Brothers .....	3, 055	Oct. 19, 1875	8	646
J.					
Jams, jellies, marmalades, and preserved fruits	P. J. Ritter .....	2, 393	Apr. 20, 1875	7	652
Jewelry .....	F. S. Allen .....	2, 937	Sept. 14, 1875	8	439
Jewelry .....	Thayer Manufacturing Jewelry Com- pany.	2, 376	Apr. 13, 1875	7	610
Journal-bearings, Railway	Bowles & Wilkins .....	3, 193	Dec. 7, 1875	8	946
K.					
Knit woolen goods, Fancy .....	H. E. Dillingham .....	3, 020	Oct. 19, 1875	8	646
Knitted goods .....	Lewis, Brown & Co .....	2, 739	July 13, 1875	8	41
Knitted goods .....	Troy Hosiery Manufacturing Company	2, 196	Jan. 26, 1875	7	133
Knitted hosiery .....	W. F. Salmon .....	2, 252	Feb. 23, 1875	7	303
Kimmel .....	A. C. Meyer & Co .....	3, 216	Dec. 7, 1875	8	646
L.					
Ladies' and children's wear, Articles of	G. Frost & Co. ....	2, 679	June 15, 1875	7	1014
Lamp-chimneys	C. F. A. Hinricks .....	2, 555	May 25, 1875	7	8-0
Lamp-chimneys	Mount Washington Glass Works	3, 240	Dec. 14, 1875	8	988
Lamp chimneys and shades	R. Douglas & Co .....	3, 172	Nov. 30, 1875	8	509
Lamp chimneys and shades	Pabst & Esch .....	3, 217	Dec. 7, 1875	8	946
Lamp-chimneys, Glass	Excelsior Flint Glass Company	2, 611	June 1, 1875	7	926
Lamp-chimneys, Glass	Excelsior Flint Glass Company	2, 612	June 1, 1875	7	926
Lamp-wick, Miner's	R. Chadwick .....	2, 952	Sept. 21, 1875	8	475
Lamp wicks or wicking	R. H. Burns & C. Drew	3, 224	Dec. 14, 1875	8	183
Lamps .....	C. F. A. Hinricks .....	3, 111	Nov. 2, 1875	8	729
Lard .....	V. W. Macfarlane & Co	3, 199	Dec. 7, 1875	8	946
Lard .....	G. C. Napheys & Son	2, 310	Apr. 20, 1875	7	652
Lard .....	G. C. Napheys & Son	2, 437	May 4, 1875	7	743
Lard .....	E. Puig & Co .....	3, 067	Oct. 19, 1875	8	646
Lard, beef-tongues, hams, and other cured meats	Chesebrough & Burrows	2, 314	Mar. 23, 1875	7	466
Lard, lard-oil, and neat's-foot oil	N. K. Fairbank & Co .....	2, 573	May 18, 1875	7	839

## Alphabetical list of trade-marks—Continued.

Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Lard, pork, &c.	A. Fowler	2,866	Aug. 31, 1875	8	365
Lard, Refined	A. and J. M. Moses	2,359	Apr. 20, 1875	7	652
Lead	Forest River Lead Company	2,421	May 4, 1875	7	743
Lead for painters' use	Boston Lead Company	2,577	May 25, 1875	7	879
Lead, White	Atlantic White Lead Company	2,773	July 20, 1875	8	96
Lead, &c., White	F. S. Pease	2,848	Aug. 24, 1875	8	323
Lead, zinc, and paints, White	Baxter, Bell & Co.	2,515	May 18, 1875	7	837
Leather	Eagle Tanning Works	2,581	May 25, 1875	7	880
Leather	G. F. & C. T. Page	2,779	July 20, 1875	8	96
Leather	G. F. & C. T. Page	2,780	July 20, 1875	8	96
Leather-board	E. F. Bailey	2,999	Oct. 5, 1875	8	561
Leather or raw-hide, Manufactured	H. Royer	3,182	Nov. 30, 1875	8	909
Leather-preservative and water-proof polish	G. W. Graham	3,044	Oct. 19, 1875	8	646
Linen and cotton fabrics	J. Bullocke and J. B. Locke	3,060	Oct. 19, 1875	9	646
Liniment	R. Banes	2,543	May 18, 1875	7	838
Liniment	C. F. Brown Chemical Company	3,255	Dec. 21, 1875	8	1034
Liniment	G. O. Clark	2,420	May 4, 1875	7	743
Liniment	G. Cleis	2,953	Sept. 21, 1875	8	475
Liniment	G. Couch	2,268	Mar. 2, 1875	7	345
Liniment	E. Maatman	2,299	Mar. 16, 1875	7	427
Liniment	C. Schaeffer	3,052	Oct. 19, 1875	8	646
Liquors, Redistilled	H. W. Smith & Co.	2,912	Sept. 7, 1875	8	403
Locks and hardware	Hillebrand & Wolf	2,707	July 6, 1875	8	4
Locks and latches, Door	Mallory, Wheeler & Co.	3,137	Nov. 16, 1875	8	219
Loom-templates	Dutcher Temple Company	2,330	Mar. 30, 1875	7	516
Lounges, Camp	Camp Lounge Company	2,672	June 15, 1875	7	1014
Lye and potash	I. N. Sierra	2,743	July 13, 1875	8	49
M.					
Mail-bags	J. Boyle	2,789	July 27, 1875	8	149
Marmalade, Orange	T. Ritchie & Co.	2,977	Sept. 21, 1875	8	476
Matches, Friction	Baiber Match Company	3,102	Nov. 2, 1875	8	729
Matches, Friction	J. L. Clark	2,521	May 18, 1875	7	837
Matches, Friction	Swift & Courtney & Beecher Company	2,501	May 11, 1875	7	784
Meats, Cured	C. Baltz	3,148	Nov. 23, 1875	8	862
Meats, Prepared	Wilson Packing Company	2,935	Sept. 14, 1875	8	439
Meats, &c., Smoked	J. P. Wright & Co.	2,919	Sept. 7, 1875	8	404
Meats, Smoked and pickled	F. A. Ferris	3,106	Nov. 2, 1875	8	729
Medals	J. H. Hobart	2,708	July 6, 1875	8	4
Medicated belts	Love & Wilson	2,669	June 15, 1875	7	1014
Medicated bandies	T. Doekum & Son	2,559	May 18, 1875	7	838
Medicated, Whisky	F. M. Eppley	3,174	Nov. 30, 1875	8	909
Medicinal or mineral water	H. A. Benjamin	2,191	Jan. 26, 1875	7	133
Medicine	J. C. Ayer & Co.	2,323	Mar. 30, 1875	7	516
Medicine	E. R. Burnham	2,360	Apr. 13, 1875	7	611
Medicine	E. R. Burnham	2,364	Apr. 20, 1875	7	652
Medicine	J. W. Campion & Co.	2,899	Sept. 7, 1875	8	403
Medicine	J. Carrick	3,001	Oct. 5, 1875	8	561
Medicine	E. E. Chamberlain	3,150	Nov. 23, 1875	8	862
Medicine	W. M. Clarke & Co.	2,366	Apr. 21, 1875	7	652
Medicine	J. A. Craig	2,827	Aug. 17, 1875	8	281
Medicine	P. Davis & Son	3,153	Nov. 23, 1875	8	862
Medicine	D. Dick & Co.	1,167	Jan. 12, 1875	7	48
Medicine	W. B. Douglass & Co.	2,828	Aug. 17, 1875	8	281
Medicine	C. Fleming	2,471	May 11, 1875	7	783
Medicine	C. Fleming	2,472	May 11, 1875	7	783
Medicine	H. D. Fowle	2,473	May 11, 1875	7	783
Medicine	B. Gorrell	2,289	Mar. 16, 1875	7	427
Medicine	C. L. Gowdey & Co.	2,264	Mar. 2, 1875	7	345
Medicine	L. M. Green	3,003	Oct. 5, 1875	8	561
Medicine	L. M. Green	3,004	Oct. 5, 1875	8	561
Medicine	J. N. Harris & Co.	3,061	Oct. 19, 1875	8	646
Medicine	H. H. Hay	2,788	July 27, 1875	8	149
Medicine	Heath & Co.	3,124	Nov. 2, 1875	8	730
Medicine	J. F. Henry, Curran & Co.	2,291	Mar. 16, 1875	7	427
Medicine	J. A. Holmes	2,896	Aug. 31, 1875	8	365
Medicine	Hostetter & Smith	3,135	Nov. 16, 1875	8	819
Medicine	H. C. Hough	2,683	June 15, 1875	7	1014
Medicine	J. Kaiser	2,231	Feb. 16, 1875	7	261
Medicine	T. F. X. Kissling & Co.	2,992	Sept. 28, 1875	8	521
Medicine	E. F. Kuukel	2,369	Apr. 13, 1875	7	610
Medicine	D. Langell	2,929	Sept. 14, 1875	8	439
Medicine	Lawson Chemical Company	2,621	June 1, 1875	7	926
Medicine	Lee & Brothers	2,433	May 11, 1875	7	784
Medicine	E. G. Lewis	2,238	Feb. 16, 1875	7	261
Medicine	O. F. Lobman	3,245	Dec. 14, 1875	8	928
Medicine	H. N. Lyon	2,875	Aug. 31, 1875	8	865
Medicine	J. & C. Maguire	2,564	May 18, 1875	7	838
Medicine	O. B. Mansell	3,116	Nov. 2, 1875	8	730
Medicine	A. F. Merrell	3,064	Oct. 19, 1875	8	646
Medicine	J. R. Nichols & Co.	2,438	May 4, 1875	7	743
Medicine	B. F. Nunns	3,093	Oct. 26, 1875	8	689
Medicine	W. H. Pancoast	2,689	June 15, 1875	7	1014
Medicine	P. E. Picault	2,492	May 11, 1875	7	784
Medicine	J. Purley & Co.	2,424	May 4, 1875	7	743
Medicine	Railway & Co.	2,625	June 1, 1875	7	927
Medicine	Railway & Co.	2,626	June 1, 1875	7	927
Medicine	Railway & Co.	2,627	June 1, 1875	7	927
Medicine	W. Renue & Sons	2,356	Apr. 6, 1875	7	565
Medicine	C. L. Rex	2,741	July 13, 1875	8	49
Medicine	A. M. Rodgers	2,885	Aug. 31, 1875	8	365
Medicine	A. M. Rodgers	2,886	Aug. 31, 1875	8	365
Medicine	J. H. Rutley	2,392	Apr. 20, 1875	7	552
Medicine	J. H. Slater	3,071	Oct. 19, 1875	8	646

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Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.		
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Medicine	T. H. Smart	3,277	Dec. 21, 1875	8	1635	
Medicine	Snyder & Gue	3,121	Nov. 2, 1875	8	730	
Medicine	F. Spreen	2,375	Apr. 13, 1875	7	610	
Medicine	W. Swain	3,141	Nov. 16, 1875	8	819	
Medicine	W. Swain	3,142	Nov. 16, 1875	8	819	
Medicine	W. Swain	3,143	Nov. 16, 1875	8	819	
Medicine	G. Talcot	2,303	May 11, 1875	7	784	
Medicine	Tarrant & Co.	3,023	Oct. 11, 1875	8	600	
Medicine	Tarrant & Co.	3,024	Oct. 11, 1875	8	600	
Medicine	H. A. Tilden	3,238	Dec. 14, 1875	8	988	
Medicine	Tilden & Co.	2,854	Aug. 24, 1875	8	323	
Medicine	J. D. Wattles	2,358	Apr. 6, 1875	7	575	
Medicine	E. A. Wober	2,510	May 11, 1875	7	784	
Medicine	West, Trafford & Co.	3,239	Dec. 14, 1875	8	988	
Medicine	J. E. Woodward	2,212	Feb. 2, 1875	7	181	
Medicine	Yerba Buena Bitters Company	2,572	May 18, 1875	7	839	
Medicine	J. Foley	2,864	Aug. 31, 1875	8	364	
Medicine	J. Foley	2,865	Aug. 31, 1875	8	365	
Medicine	Bitters	2,544	May 18, 1875	7	838	
Medicine	Bitters	F. C. Clemson	2,749	July 20, 1875	8	95
Medicine	Bitters	H. Ernst	3,195	Dec. 7, 1875	8	946
Medicine	Bitters	T. Fillette	2,613	June 1, 1875	7	926
Medicine	Bitters	S. B. Hartman & Co.	2,755	July 20, 1875	8	95
Medicine	Bitters	M. Herzberg	2,868	Aug. 31, 1875	8	365
Medicine	Bitters	W. H. Kuoepfel	2,343	Apr. 6, 1875	7	564
Medicine	Bitters	W. H. Kuoepfel	2,344	Apr. 6, 1875	7	564
Medicine	Bitters	A. Koch	3,164	Nov. 23, 1875	8	862
Medicine	Bitters	M. G. Landsberg	3,214	Dec. 7, 1875	8	946
Medicine	Bitters	Schmidlopp & Co.	2,207	Feb. 2, 1875	7	181
Medicine	Bitters	P. D. Van Iugen	2,326	Mar. 30, 1875	7	516
Medicine	Bronchial troches	J. I. Brown & Sons	2,519	May 18, 1875	7	837
Medicine	Castor-oil	H. J. Baker & Bro.	2,747	July 20, 1875	8	95
Medicine	Castor-oil	H. J. Baker & Bro.	2,748	July 20, 1875	8	95
Medicine	Castor-oil	R. B. Brown	3,000	Oct. 5, 1875	8	561
Medicine	Castor-oil	Storkdale, Smith & Co.	2,694	June 22, 1875	7	1057
Medicine	Cod-liver oil	Buutin & Armstrong	2,988	Sept. 28, 1875	8	521
Medicine	Cod-liver oil	P. Møller	2,350	Apr. 6, 1875	7	564
Medicine	Cough-sirup	Les Sœurs de L'Asie de la Providence de Montreal.	2,333	Mar. 30, 1875	7	516
Medicine	Essence of Jamaica ginger	F. Brown	2,419	May 4, 1875	7	743
Medicine	Felon-cure	W. H. Puffer	2,157	Jan. 5, 1875	7	6
Medicine	Fever and ague cure	Gladstone & Ferguson	2,809	Aug. 3, 1875	8	195
Medicine	Fever and ague pills	Willets & Co.	2,509	June 8, 1875	7	968
Medicine for	rheumatism	W. W. Brown	3,041	Oct. 19, 1875	8	645
Medicine	Liquid tonic	J. F. Sarie	3,070	Oct. 19, 1875	8	646
Medicine	Liver-pills	C. Fleming	2,526	May 12, 1875	7	837
Medicine	Neuralgia-cure	W. Gilmore & Son	2,638	June 8, 1875	7	868
Medicine	Pile-cure	Montgomery & Co.	2,184	Jan. 19, 1875	7	13
Medicine	Pills	G. Talcot	2,504	May 11, 1875	7	784
Medicine	Preparation of cod-liver oil	E. H. Truax	3,264	Dec. 21, 1875	8	1034
Medicine	Preparation of magnesia	C. H. Phillips	2,381	Apr. 13, 1875	7	611
Medicine	Preparation of magnesia	C. H. Phillips	2,382	Apr. 13, 1875	7	611
Medicine	Stomach-bitters	J. A. Jackson & Co.	2,368	Apr. 13, 1875	7	610
Medicine	St. Vitus's dance or chorea, Remedy for	H. E. Wright	2,936	Sept. 14, 1875	8	429
Medicine	Tonic or bitters	E. Brown & Co.	2,433	May 4, 1875	7	743
Medicine	Tonics	T. S. Foote	2,895	Aug. 31, 1875	8	365
Metal	Patent Metal Company	2,723	July 6, 1875	8	5	
Metal and plated ware	F. W. Rogers	3,219	Dec. 7, 1875	8	946	
Metal, Anti-friction	G. S. Hunt	2,668	June 15, 1875	7	1014	
Metal, Anti-friction	G. S. & B. E. Hunt	3,197	Dec. 7, 1875	8	946	
Metal, Anti-friction	G. S. & B. E. Hunt	3,198	Dec. 7, 1875	8	946	
Metal, Plate	Bay State Iron Company	2,339	Apr. 6, 1875	7	564	
Milk	J. R. Pond	2,495	May 11, 1875	7	784	
Milk, Condensed and fresh	S. W. Canfield	2,790	July 27, 1875	8	149	
Mince-meat	Atmore & Son	2,700	July 6, 1875	8	4	
Mop and brush holder	Clark & Co.	2,813	Aug. 19, 1875	8	241	
Moth-proof fabric	Hall & Kennell	2,342	Apr. 6, 1875	7	564	
Mowing and reaping machines	Adriance, Platt & Co.	2,362	Apr. 13, 1875	7	610	
Mowing and reaping machines and grain-binders	W. A. Wood Mowing and Reaping Machine Company.	3,285	Dec. 28, 1875	8	1077	
Mustard	Jewett, Sherman & Co.	2,230	Feb. 16, 1875	7	261	
Mustard	A. A. Plastridge	2,354	Apr. 6, 1875	7	564	
Mustard	Swain, Earle & Co.	2,539	May 18, 1875	7	838	
Mustard and spices	Pinckney, Jackson & Co.	2,440	May 4, 1875	7	743	
N.						
Nautical instruments	R. Merrill & Sons	2,963	Sept. 21, 1875	8	476	
Neck-tie	Helberg & Lowenstein	2,152	Jan. 5, 1875	7	6	
O.						
Oaten grits	Lunt Brothers	2,818	Aug. 10, 1875	8	241	
Oatmeal	S. G. Bowdler & Co.	2,458	May 11, 1875	7	783	
Oatmeal, Scotch	R. Shoemaker & Co.	3,120	Nov. 2, 1875	8	730	
Oil	Simons & Brother	2,361	Apr. 6, 1875	7	565	
Oil, Axle	C. C. Richmond	2,425	May 4, 1875	7	743	
Oil-cans	J. P. Haines	2,527	May 18, 1875	7	837	
Oil, Illuminating	W. E. Jervey	2,153	Jan. 5, 1875	7	6	
Oil, Lubricating	F. M. Backus	2,740	July 20, 1875	8	95	
Oil, Lubricating	W. Downie	3,154	Nov. 23, 1875	8	862	
Oil, Lubricating	Galeua Oil Works	2,570	May 18, 1875	7	839	
Oil, Lubricating	Globe Oil Company	3,196	Dec. 7, 1875	8	946	
Oil, Lubricating	Lester Oil Company	3,090	Oct. 26, 1875	8	689	

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Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Oil, Lubricating	W. C. Stiles, jr.	2, 295	Mar. 16, 1875	7	427
Oil, Lubricating	H. C. Van Tine & Co.	3, 675	Oct. 19, 1875	8	646
Oil, Lubricating and illuminating.	E. E. Hendrick	3, 047	Oct. 19, 1875	8	646
Oil, Refined boiled linseed	Atlantic White Lead Company	2, 774	July 20, 1875	8	56
Oil, Wool	American Lubricating Oil Company	3, 190	Dec. 7, 1875	8	946
Oil, Wool	Lecomb, Kchew & Thayer	3, 276	Dec. 21, 1875	8	1035
Oils and other chemicals, Essential	C. H. Phillips	2, 439	May 4, 1875	7	743
Oils and pastes	J. Glover & Co.	3, 159	Nov. 23, 1875	8	662
Oiling apparatus	S. Hutchinson, jr.	2, 563	May 18, 1875	7	838
Ointment, Life	W. Ostrander & Sons	2, 353	Apr. 6, 1875	7	564
Organs	E. P. Needham & Sons	3, 262	Dec. 21, 1875	8	1034
Organs, Cabinet	F. W. Helmick	3, 632	Oct. 11, 1875	8	601
Organs, Church and parlor reed	Whitney & Carrier	3, 877	Oct. 19, 1875	8	646
Organs, Reed	J. Estey & Co.	2, 524	May 18, 1875	7	837
Organs, Stop for reed	J. Estey & Co.	2, 523	May 18, 1875	7	837
Overalls, shirts, and drawers	M. Rosenbach & Co.	2, 941	Sept. 14, 1875	8	439
Overcoats	Devlin & Co.	3, 010	Oct. 5, 1875	8	561
Overcoats	Devlin & Co.	3, 011	Oct. 5, 1875	8	561
Overcoats	Devlin & Co.	3, 012	Oct. 5, 1875	8	561
P.					
Packing for stuffing-boxes, &c	W. H. Miller	2, 239	Feb. 16, 1875	7	261
Paint	Fariand, Williams & Co.	2, 525	May 18, 1875	7	837
Paint	G. E. Ghines	2, 845	Aug. 24, 1875	8	223
Paint	Hainemann & Steiner	2, 189	Jan. 19, 1875	7	93
Paint	National Mixed Paint Company	3, 178	Nov. 30, 1875	8	969
Paint	D. Steiner & Co.	2, 932	Sept. 14, 1875	8	439
Paint	Walter & Fielding	2, 598	May 25, 1875	7	840
Paint	Walter & Fielding	2, 599	May 25, 1875	7	840
Paint, Green	D. Steiner & Co.	2, 538	May 18, 1875	7	838
Paint, Metallic	F. G. Bourke & Co.	2, 518	May 18, 1875	7	837
Paint, Mineral	Foundry Supply Company	3, 228	Dec. 14, 1875	8	958
Paint or cement	E. W. Tibbels	2, 261	Feb. 23, 1875	7	303
Paints, colors, and painting materials	D. F. Tiemann & Co.	2, 430	May 4, 1875	7	743
Paints, composition coatings, and wood-fillings	Thorrhill & Co.	2, 225	Feb. 9, 1875	7	223
Paints, Liquid and paste	French, Richards & Co.	2, 990	Sept. 28, 1875	8	521
Paints, Mixed	F. P. Callaghan	3, 151	Nov. 23, 1875	8	662
Pamphlet	G. Talbot	2, 772	July 20, 1875	8	56
Pantaloons and coats	Brock & Wiener	3, 254	Dec. 21, 1875	8	1034
Paper, Account-book	Keith Paper Company	2, 315	Mar. 23, 1875	7	466
Paper, Albumen	G. Gennert	2, 928	Sept. 14, 1875	8	439
Paper, Commercial note	J. Leach	2, 411	Apr. 27, 1875	7	701
Paper collar	Meslecy & Moedy	2, 995	Sept. 28, 1875	8	521
Paper collar	Ray & Taylor Manufacturing Company	3, 635	Oct. 11, 1875	8	601
Paper collar, Cloth-faced	Metropolitan Collar Company	3, 065	Oct. 19, 1875	8	646
Paper, envelopes, and cards	Porter & Bainbridge	2, 374	Apr. 13, 1875	7	610
Paper patterns for cutting garments	J. McCall	2, 716	July 6, 1875	8	4
Paper, Steam-engine and machinery relating to the treatment of.	V. E. Manger	2, 259	Feb. 23, 1875	7	303
Paper, Water-closet	Wildner & Co.	2, 856	Aug. 24, 1875	8	323
Paper-weights	F. A. Peckard & Co.	3, 272	Dec. 21, 1875	8	1035
Paper, Writing	A. Beach	2, 457	May 11, 1875	7	754
Paper, Writing	R. J. Harp	2, 367	Apr. 13, 1875	7	610
Paper, Writing	Massasoit Paper Manufacturing Company	3, 050	Oct. 19, 1875	8	646
Paste, Licorice	J. C. McAndrew	2, 532	May 18, 1875	7	837
Pastilles	Stowell & Co.	2, 569	May 18, 1875	7	839
Pavements	L. S. Filbert	2, 676	July 17, 1875	7	1014
Pencils and rubber erasers	G. Schwanhäusser	3, 167	Nov. 23, 1875	8	863
Pencils and rubber erasers, Mechanical lead	G. Schwanhäusser	3, 168	Nov. 23, 1875	8	863
Pencils, Drawing lead	G. Schwanhäusser	3, 036	Oct. 11, 1875	8	601
Pencils, Lead	O. Cleveland	2, 547	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 548	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 549	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 550	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 551	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 552	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 553	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 554	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 555	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 556	May 18, 1875	7	838
Pencils, Lead	O. Cleveland	2, 557	May 18, 1875	7	838
Pencils, Lead	Eagle Pencil Company	2, 468	May 11, 1875	7	783
Pencils, Lead	G. Haas	3, 057	Oct. 26, 1875	8	629
Perfume	Miller Brothers	2, 172	Jan. 19, 1875	7	93
Perfume	S. C. Upham	2, 279	Mar. 9, 1875	7	387
Perfumeries	W. B. Dorman	2, 287	Mar. 16, 1875	7	427
Perfumeries	C. B. Woodworth & Son	3, 056	Oct. 19, 1875	8	646
Perfumeries and toilet-articles	S. C. Upham	2, 226	Feb. 9, 1875	7	223
Perfumeries, cosmetics, and soaps	A. Guerlain	2, 600	June 8, 1875	7	969
Perfumeries, soaps, &c	Eddy Brothers	2, 179	Jan. 19, 1875	7	93
Petroleum	Power Brothers & Co. and W. H. Powers & Co.	2, 391	Apr. 20, 1875	7	652
Petroleum and its products and other oils	Power Brothers & Co. and W. H. Powers & Co.	2, 334	Mar. 30, 1875	7	516
Petroleum distillates and residues	W. H. Libby & Co.	3, 258	Dec. 21, 1875	8	1034
Piano-forte	Arion Piano-Forte Company	2, 162	Jan. 12, 1875	7	48
Piano-forte	Arion Piano-Forte Company	2, 163	Jan. 12, 1875	7	48
Pianos	F. C. Light & Co.	3, 115	Nov. 2, 1875	8	730
Pickles and vinegar	Heinz, Noble & Co.	2, 265	Mar. 2, 1875	7	345
Pictures, Copied	P. C. Harley & Co.	3, 045	Oct. 19, 1875	8	646
Pins	Star Pin Company	2, 442	May 4, 1875	7	783
Pins	Star Pin Company	2, 443	May 4, 1875	7	783
Pins	Star Pin Company	2, 444	May 4, 1875	7	783
Pins	Star Pin Company	2, 445	May 4, 1875	7	783

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Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Pins	Star Pin Company	2, 446	May 4, 1875	7	783
Pipe, tubing, &c., Wrought-iron	National Tube Works Company	2, 458	May 11, 1875	7	784
Plane, Carpenter's	Stanley Rule and Level Company	2, 981	Sept. 21, 1875	7	476
Planing and matching machines combined	Frank & Co.	2, 678	June 15, 1875	7	1014
Plaster, Porous	G. E. Mitchell	2, 778	July 20, 1875	8	96
Plows	B. F. Avery & Sons	2, 302	Mar. 23, 1875	7	466
Plows	B. F. Avery & Sons	2, 303	Mar. 23, 1875	7	466
Plows	B. F. Avery & Sons	2, 304	Mar. 23, 1875	7	466
Plows	B. F. Avery & Sons	2, 312	Mar. 23, 1875	7	466
Plows	W. K. Harrell and T. B. and D. C. Chamberlain.	3, 189	Nov. 30, 1875	8	909
Plows	Higginum Manufacturing Company	2, 853	Aug. 24, 1875	8	323
Plows	Monitor Plow Works	3, 666	Oct. 19, 1875	8	646
Plows	D. B. Smith	3, 137	Oct. 11, 1875	8	601
Plows	A. Speer & Sons	2, 924	Sept. 7, 1875	8	404
Plows, agricultural implements, &c.	Watt & Call	3, 198	Oct. 26, 1875	8	689
Plows, cultivators, &c.	Wiard & Hough	2, 542	May 11, 1875	7	784
Plumbago or graphite lubricant	American Graphite Company	2, 542	May 18, 1875	7	838
Plumbago, Prepared	Morse Brothers	2, 534	May 18, 1875	7	838
Pocket-book, satchel, &c., clasp	H. Silberman	3, 220	Dec. 7, 1875	8	946
Polish for linen, muslin, &c.	J. M. Muynen	2, 956	Sept. 28, 1875	8	521
Polishing compound	Streeter & Riker	2, 721	July 6, 1875	8	4
Polishing-powder	Detroit Polish Company	2, 908	Sept. 7, 1875	8	403
Printers' inking-rollers, Composition for	I. L. Jackson	2, 616	June 1, 1875	7	926
Printing-press	Griffith & Byrne	3, 124	Nov. 16, 1875	8	819
Printing-presses, &c.	J. C. Tripp	2, 566	May 11, 1875	7	784
Pumps	C. G. Blatchley	3, 129	Nov. 16, 1875	8	819
Pumps	Coffin & Woodward	3, 193	Dec. 7, 1875	8	946
Pumps	W. and B. Douglas	2, 176	Jan. 19, 1875	7	93
Pumps	W. and B. Douglas	2, 177	Jan. 19, 1875	7	93
Pumps	W. and B. Douglas	2, 178	Jan. 19, 1875	7	93
Pumps, Force	W. J. Johnson	2, 897	Aug. 31, 1875	8	965
Pumps, &c., Steam	Aquometer Steam Pump Company	2, 998	Oct. 5, 1875	8	561
R.					
Ranges and stoves, Kitchen	Bartlett, Robbins & Co.	2, 514	May 18, 1875	7	837
Rasps and files	Heller & Brothers	2, 405	Apr. 20, 1875	7	652
Rats, mice, roaches, &c., Compound for destroying	E. S. Wells	2, 243	Feb. 16, 1875	7	261
Refrigerator	J. H. Fisher	2, 220	Feb. 9, 1875	7	223
Refrigerator and ice-chest	S. int Louis Wooden Gutter Manufacturing Company.	2, 982	Sept. 21, 1875	8	476
Ribbons	Kiefer & Co.	2, 317	Mar. 23, 1875	7	466
Ride-powder	P. A. Oliver	2, 846	Aug. 24, 1875	8	323
Rivet, Boiler	Hoopes & Townsend	2, 761	July 20, 1875	8	96
Roach and insect powder	H. I. Hart	2, 737	July 13, 1875	8	4
Rope, twines, gilling-thread, &c.	Uhler, English & Boileau	2, 805	Aug. 3, 1875	8	195
Rubber goods	National Rubber Company	2, 352	Apr. 6, 1875	7	564
Ruches, ruffings, and collarettes	J. Thomas	2, 914	Sept. 7, 1875	8	403
Ruches, ruffings, and collarettes	J. Thomas	2, 915	Sept. 7, 1875	8	403
Ruff, Medford	D. Lawrence & Sons	3, 823	Aug. 19, 1875	8	241
Rupture-cure	H. T. Mitchell	2, 740	July 13, 1875	8	49
S.					
Salmon, Prepared	J. Quinn	2, 650	June 8, 1875	7	968
Salmon, Salted, pickled, and preserved	J. W. & V. Cook	2, 665	June 15, 1875	7	1014
Salvo	C. Heinrich	2, 229	Feb. 16, 1875	7	261
Salve	J. W. Rothschild	2, 441	May 4, 1875	7	783
Satin goods	Leisler & Sommerhoff	2, 259	Sept. 21, 1875	8	476
Satinets or woolen cloths	A. G. Dewey & Co.	3, 225	Dec. 14, 1875	8	988
Satinets or woolen cloths	A. G. Dewey & Co.	3, 226	Dec. 14, 1875	8	988
Sauce, Table	Lewis & Co.	2, 182	Jan. 19, 1875	7	93
Sauce, Table	J. K. MacGowan & Co.	2, 714	July 6, 1875	8	4
Sauce, Table	J. Meehan	3, 015	Oct. 5, 1875	8	561
Saws	E. C. Atkins & Co.	2, 636	June 8, 1875	7	968
Saws	E. C. Atkins & Co.	2, 723	July 13, 1875	8	49
Saws	Bissell & Moore Manufacturing Company.	2, 722	July 6, 1875	8	4
Scales, Platform	Jones & Lyman	2, 738	July 13, 1875	8	49
Scythe-stone	J. C. Orne & Co.	3, 051	Oct. 19, 1875	8	646
Sealed goods, Hermetically	J. W. Jones	3, 663	Oct. 19, 1875	8	646
Seamless drawn tubes	Bridgewater Iron Company	2, 637	June 8, 1875	7	968
Seamless metal tube	American Tube Works	2, 775	July 20, 1875	8	96
Sewing-machine	Pinkle & Lyon Manufacturing Company	2, 429	May 4, 1875	7	743
Sewing-machine	Grover & Baker Sewing-Machine Company.	2, 341	Apr. 6, 1875	7	564
Sewing-machine	J. B. Myers	2, 931	Sept. 14, 1875	8	439
Sewing-machine	E. Remington & Sons	3, 695	Oct. 26, 1875	8	689
Sewing-machine	Singer Manufacturing Company	2, 651	June 8, 1875	7	968
Sewing-machine	Wheeler & Wilson Manufacturing Company.	2, 943	Sept. 14, 1875	8	439
Sewing-machine	Wilcox & Gibbs Sewing-Machine Company.	2, 917	Sept. 7, 1875	8	404
Sewing-machine needles	Excelsior Needle Company	2, 561	May 18, 1875	7	838
Sewing-machine needles and attachment	Wilcox & Gibbs Sewing Machine Company.	2, 918	Sept. 7, 1875	8	404
Sheep, Preparation to be used on	Redington, Hostetter & Co.	2, 324	Mar. 20, 1875	7	516
Sheet and plate iron	A. Wood & Co.	2, 745	July 20, 1875	8	95
Sheet-metal cans and boxes	T. W. Burger	2, 383	Apr. 20, 1875	7	671
Sheet or plate iron	A. Wood & Co.	2, 744	July 20, 1875	8	95
Shirt-besoms	S. Sibbey	2, 537	May 18, 1875	7	898
Shirts	A. O. Beard	3, 057	Oct. 19, 1875	8	646
Shirts	Bloomer, King & Co.	2, 904	Sept. 7, 1875	8	403
Shirts	Bloomer, King & Co.	3, 153	Nov. 2, 1875	8	729
Shirts	Burlock Manufacturing Company	2, 158	Jan. 5, 1875	7	6

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Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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Shirts	Foster & Merrill	2,956	Sept. 21, 1875	8	476
Shirts	E. Jennings & Co.	2,357	Apr. 20, 1875	7	652
Shirts	Markowitz & Price	2,171	Jan. 19, 1875	7	93
Shirts	J. E. Page	3,218	Dec. 7, 1875	8	946
Shirts	Stern & Co.	2,357	Apr. 6, 1875	7	565
Shirts	J. Wheelock, jr.	2,831	Aug. 17, 1875	8	281
Shirts, Bosom	G. B. Chett, Bro. & Co.	2,675	June 15, 1875	7	1614
Shirts, Bosom	Rothschild Bros. & Gutmann	3,275	Dec. 21, 1875	8	1035
Shirtings, &c.	Langden Manufacturing Company	2,482	May 11, 1875	7	784
Shirtings, Fine	W. S. Slater	3,017	Oct. 5, 1875	8	561
Shovels and spades	J. Dunn	3,257	Dec. 21, 1875	8	1034
Silk and twist, Sewing	W. H. Copcutt & Co.	2,165	Jan. 12, 1875	7	48
Silk and twist, Sewing	W. H. Copcutt & Co.	2,166	Jan. 12, 1875	7	48
Silk dress-goods, Black	A. De Gruff & Co.	2,400	Apr. 20, 1875	7	652
Silk fabrics	P. A. Daily & Co.	2,329	Mar. 30, 1875	7	516
Silk goods	W. H. De Forest	2,907	Sept. 7, 1875	8	463
Silk goods	L. Franke	2,474	May 11, 1875	7	784
Silk, Sewing	Brainerd, Armstrong & Co.	2,245	Feb. 16, 1875	7	261
Silks, satins, &c., Dress	J. McGreevy & Co.	2,224	Feb. 9, 1875	7	223
Silks, velvets, and dress-goods	Pavasant & Co.	2,193	Jan. 26, 1875	7	143
Silver-plated goods	J. W. Tufts	2,210	Feb. 2, 1875	7	181
Silver-polish	W. E. Dunham	2,247	Feb. 23, 1875	7	503
Sizing composition, Warp	J. W. Wattle & Son	3,082	Oct. 19, 1875	8	616
Skates	Starr Manufacturing Company	3,221	Dec. 7, 1875	8	946
Skins and leather	W. Quinn & Co.	3,030	Oct. 11, 1875	8	610
Snuff	Weyman & Bro.	2,916	Sept. 7, 1875	8	404
Soap	J. P. Babcock & Co.	2,418	May 4, 1875	7	742
Soap	R. W. Bell & Co.	2,263	Apr. 13, 1875	7	610
Soap	R. W. Bell & Co.	2,364	Apr. 13, 1875	7	610
Soap	R. W. Bell & Co.	2,860	Aug. 31, 1875	8	364
Soap	R. W. Bell & Co.	3,191	Dec. 7, 1875	8	946
Soap	R. M. Bishop & Co.	2,517	May 18, 1875	7	837
Soap	W. Conway	2,353	Apr. 20, 1875	7	652
Soap	C. N. Crittenton	2,815	Aug. 10, 1875	8	241
Soap	L. I. Fisk & Co.	3,029	Oct. 11, 1875	8	601
Soap	A. Hay Company	3,025	Oct. 11, 1875	8	600
Soap	C. S. Higgins	3,211	Dec. 7, 1875	8	946
Soap	Kendall Manufacturing Company	2,296	Mar. 16, 1875	7	427
Soap	J. S. Kirk & Co.	3,048	Oct. 19, 1875	8	646
Soap	E. Kraft & Co.	2,952	Sept. 21, 1875	8	476
Soap	Lautz Bros. & Co.	2,573	Aug. 31, 1875	8	865
Soap	Lautz Bros. & Co.	3,215	Dec. 7, 1875	8	946
Soap	Leech Manufacturing Company	2,466	Apr. 20, 1875	7	652
Soap	C. Lipps	2,346	Apr. 6, 1875	7	564
Soap	C. Lipps	3,230	Dec. 14, 1875	8	988
Soap	McKeone, Van Haagen & Co.	2,347	Apr. 6, 1875	7	564
Soap	E. S. Merris & Co.	3,127	Nov. 9, 1875	8	777
Soap	H. T. Munson	2,567	May 18, 1875	7	828
Soap	J. Oakley	2,587	May 25, 1875	7	880
Soap	J. Oakley	2,588	May 25, 1875	7	880
Soap	D. P. Packer	2,170	Jan. 12, 1875	7	48
Soap	Prector & Gamble	3,251	Dec. 11, 1875	8	979
Soap	Robinson Bros. & Co.	2,664	June 8, 1875	7	969
Soap	Robinson Bros. & Co.	2,742	July 13, 1875	8	49
Soap	Robinson Bros. & Co.	2,795	July 27, 1875	8	149
Soap	Robinson Bros. & Co.	2,821	Aug. 10, 1875	8	241
Soap	Robinson Bros. & Co.	2,978	Sept. 21, 1875	8	476
Soap	Robinson Bros. & Co.	3,201	Dec. 7, 1875	8	916
Soap	Schultz & Co.	2,923	Sept. 7, 1875	8	404
Soap	Schultz & Co.	3,147	Nov. 16, 1875	8	820
Soap	Stenz & Wetzel	2,194	Jan. 26, 1875	7	153
Soap	I. Warren	2,900	Sept. 7, 1875	8	403
Soap	I. Warren	2,901	Sept. 7, 1875	8	403
Soap, Laundry	A. E. Whyland	2,634	June 1, 1875	7	927
Soap, Pressed cake	C. S. Higgins	3,213	Dec. 7, 1875	8	946
Soap, Toilet	R. H. Meigley	2,962	Sept. 21, 1875	8	476
Soap, toilet preparations, &c.	F. Saltfield	2,811	Aug. 3, 1875	8	195
Soap, toilet preparations, &c.	Colgate & Co.	2,578	May 25, 1875	7	829
Soap, Washing	Colgate & Co.	2,579	May 25, 1875	7	850
Soda, Prepared washing	Farrington, Campbell & Co.	3,210	Dec. 7, 1875	8	946
Soda-water	C. H. Fischer & Co.	2,185	Jan. 26, 1875	7	133
Soda-water apparatus	S. F. Simms	2,456	May 4, 1875	7	743
Sowers and cultivators, Combined seed	J. W. Tufts	2,431	May 4, 1875	7	744
Spectacles and eyeglasses	Van Bunt & Davis	2,692	Aug. 31, 1875	8	365
Spectacles and eyeglasses	J. Gall	2,799	Aug. 3, 1875	8	164
Spectacles and eyeglasses, Combined seed	A. L. Smith	2,830	Aug. 17, 1875	8	281
Spectacles, eyeglasses, and optical goods	Sussfeld, Lorsch & Co.	2,286	Mar. 9, 1875	7	37
Spectacles, eyeglasses, &c., Rubber	Vulcanite Optical Instrument Company	3,097	Oct. 26, 1875	8	659
Spices	A. G. Gilmore & Co.	2,927	Sept. 14, 1875	8	429
Spices	Packard & James	2,964	Sept. 21, 1875	8	476
Spices	Packard & James	2,965	Sept. 21, 1875	8	476
Spices	Packard & James	2,966	Sept. 21, 1875	8	476
Spices	Packard & James	2,967	Sept. 21, 1875	8	476
Spices	Packard & James	3,179	Nov. 30, 1875	8	909
Spirits from wood	Packard & James	2,653	Oct. 19, 1875	8	646
Split-bottom chairs	Burcy Chemical Company	3,263	Dec. 21, 1875	8	1074
Spool, Cotton	J. & P. Coats	2,213	Feb. 9, 1875	7	224
Spool-cotton, Counter-boxes for	J. & P. Coats	3,282	Dec. 28, 1875	8	1076
Squirrels, &c., Poison and poisonous compounds for the destruction of.	J. G. Steele	3,278	Dec. 21, 1875	8	1035
Starch	C. Gilbert	2,206	Feb. 2, 1875	7	181
Starch	Glen Cove Starch Manufacturing Co.	2,403	Apr. 20, 1875	7	652
Stationery	J. C. Deming	2,837	Aug. 24, 1875	8	823
Steam-heating apparatus, steam-fittings, &c.	Pancoast & Manle	2,624	June 1, 1875	7	96
Steel and iron wares	Sweet, Barnes & Co.	2,803	Aug. 3, 1875	8	195
Steel bar, steel plate, and articles made therefrom	Miller, Metcalf & Parkin	3,283	Dec. 28, 1875	8	1076



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Steel bar, steel plate, and articles made therefrom	Miller, Metcalf & Parkin	3,284	Dec. 23, 1875	8	1077
Steel springs and axles	Fort Plain Spring and Axle Works	2,306	Mar. 23, 1875	7	466
Stove and range	March, Brownback & Co.	2,215	Feb. 9, 1875	7	223
Stove and range	Thomas, Roberts, Stevenson & Co.	2,505	May 11, 1875	7	784
Stove, Cooking	Bonnet, Duffy & Co.	2,159	Jan. 12, 1875	7	48
Stove, Cooking	G. F. Filley	2,706	July 6, 1875	8	4
Stove, Cooking	M. F. Filley	2,288	Mar. 16, 1875	7	427
Stove, Cooking	Fuller, Warren & Co.	2,168	Jan. 12, 1875	7	48
Stove, Cooking	Fuller, Warren & Co.	2,360	Apr. 6, 1875	7	565
Stove, Cooking	Shinnick, Woodside & Gibbons	2,500	May 11, 1875	7	784
Stove, Pocket cook	Honchiu Manufacturing Company	2,531	May 18, 1875	7	837
Stove, Pocket spirit	G. P. Houston	2,258	Feb. 23, 1875	7	303
Stove-polish	H. A. Bartlett & Co.	2,833	Aug. 24, 1875	8	323
Stove-polish	H. A. Bartlett & Co.	2,949	Sept. 21, 1875	8	475
Stove-polish	C. H. Fisher & Co.	2,219	Feb. 9, 1875	7	223
Stove-polish	S. S. Myers	3,092	Oct. 26, 1875	8	689
Stove-polish	C. E. Teets	3,252	Dec. 14, 1875	8	989
Stove, Wood cooking	W. C. Davis & Co.	2,863	Aug. 31, 1875	8	364
Stoves	P. D. Beckwith	2,516	May 18, 1875	7	837
Stoves	Comstock, Castle & Co.	2,558	May 18, 1875	7	838
Stoves	D. G. Littlefield	2,663	June 8, 1875	7	969
Stoves	Michigan Stove Company	3,260	Dec. 21, 1875	8	1034
Stoves	Mitchell, Stephenson & Co.	2,566	May 18, 1875	7	838
Stoves	Summer King Stove Company	2,398	Apr. 20, 1875	7	632
Stoves and stove-trimmings	Cutler & Proctor	2,522	May 18, 1875	7	837
Sugar, Refined	Woods, Weeks & Co.	2,244	Feb. 16, 1875	7	261
Summer-furnaces	C. Riessner	2,671	June 15, 1875	7	1014
Superphosphate	Watson & Clark	2,984	Sept. 21, 1875	8	476
Suspenders and elastic webbing	J. W. Wattles	2,329	Apr. 6, 1875	7	565
<b>T.</b>					
Tack, Carpet	F. F. McNair	2,187	Jan. 26, 1875	7	133
Tea	N. W. Burchell	2,834	Aug. 24, 1875	8	323
Tea	R. Cunningham	2,198	Feb. 2, 1875	7	181
Tea	M. Gillet & Co.	2,839	Aug. 24, 1875	8	323
Tea	Kwong On Cheong	2,835	Aug. 24, 1875	8	323
Teas	Lée Ping & Pon Jib	3,054	Oct. 23, 1875	8	689
Tea	A. Low & Co.	2,765	July 20, 1875	8	96
Tea	Macondray & Co.	2,697	July 6, 1875	8	4
Tea	Macondray & Co.	2,698	July 6, 1875	8	4
Tea	P. Vickers' Sons	2,942	Sept. 14, 1875	8	459
Tea	Williams, Blanchard & Co.	2,302	Feb. 2, 1875	7	181
Tea	Williams, Blanchard & Co.	2,303	Feb. 2, 1875	7	181
Tea	Williams, Blanchard & Co.	2,253	Feb. 23, 1875	7	303
Telegraph instruments and appurtenances	Patriot & Carter	2,491	May 11, 1875	7	784
Textile fabric	E. R. Mudge, Sawyer & Co.	2,216	Feb. 9, 1875	7	323
Thrashers and separators	Alton Agricultural Works	2,945	Sept. 21, 1875	8	475
Thrashing-machines	Alton Agricultural Works	3,222	Dec. 14, 1875	8	988
Thrashing-machine	J. Brayley	2,797	Aug. 3, 1875	8	194
Thrashing-machine	J. Brayley	2,798	Aug. 3, 1875	8	194
Thrashing-machine	Knapp, Burrell & Co.	3,213	Dec. 7, 1875	8	946
Thread, Linen	Dumbar, McMaster & Co.	3,105	Nov. 2, 1875	8	729
Thread, Spool	Clark Thread Company	2,545	May 18, 1875	7	838
Thread, Spool	Clark Thread Company	2,546	May 18, 1875	7	838
Thread, Spool	G. F. Foster	2,955	Sept. 21, 1875	8	476
Tin-plate	N. and G. Taylor Company	2,888	Aug. 31, 1875	8	365
Tin-plate	N. and G. Taylor Company	2,889	Aug. 31, 1875	8	365
Tin-plate	N. and G. Taylor Company	2,890	Aug. 31, 1875	8	365
Tobacco	D. Buehner	2,461	May 11, 1875	7	783
Tobacco	C. R. Messinger	2,349	Apr. 6, 1875	7	564
Tobacco	W. F. Nolen	2,489	May 11, 1875	7	784
Tobacco	Pioneer Tobacco Company	2,310	Mar. 23, 1875	7	466
Tobacco	T. C. Williams and J. Thomas, jr.	2,600	May 25, 1875	7	880
Tobacco and cigars	Consolidated Tobacco Company	3,007	Oct. 5, 1875	8	561
Tobacco and cigars	Consolidated Tobacco Company	3,003	Oct. 5, 1875	8	561
Tobacco and cigars	M. Falk	3,043	Oct. 19, 1875	8	645
Tobacco and cigars	M. J. Swank	2,771	July 20, 1875	8	96
Tobacco and cigars	V. M. Ybor & Co.	3,286	Dec. 28, 1875	8	1077
Tobacco and cigars, Manufactured	Consolidated Tobacco Company	3,085	Oct. 26, 1875	8	689
Tobacco, cigars, and snuff	J. Lazear & Co.	2,635	June 1, 1875	7	927
Tobacco, Fine-cut chewing	A. Gillender & Co.	2,321	Mar. 30, 1875	7	516
Tobacco, Leaf	De Ford & Thayer	2,776	July 20, 1875	8	96
Tobacco, leaf	S. Heisheim	2,760	July 20, 1875	8	96
Tobacco, Leaf	Mayer Brothers	2,993	Sept. 28, 1875	8	521
Tobacco-pouch	Novelty Company	2,154	Jan. 5, 1875	7	6
Tobacco, Smoking	C. Duwel	3,132	Nov. 16, 1875	8	819
Tobacco, Smoking	A. M. Lyon & Co.	2,713	July 6, 1875	8	4
Tobacco, Smoking	J. P. Sarrazin	2,394	Apr. 20, 1875	7	652
Tobacco, Smoking	J. P. Sarrazin	2,395	Apr. 20, 1875	7	652
Tobacco, Smoking	J. P. Sarrazin	2,396	Apr. 20, 1875	7	652
Tobacco, Smoking	J. P. Sarrazin	2,397	Apr. 20, 1875	7	652
Toilet-powder	O. Touché	2,690	June 15, 1875	7	1014
Toilet preparation	H. W. Atwood	2,902	Sept. 7, 1875	8	403
Tooth-paste	Foster & Stowell	2,256	Feb. 23, 1875	7	303
Toy balloons	G. F. Heidet	2,681	June 15, 1875	7	1014
Toy balloons	G. F. Heidet	2,682	June 15, 1875	7	1014
Toy balloons	G. F. Heidet	2,683	July 6, 1875	8	4
Toys	R. Jenkins	2,408	Apr. 20, 1875	7	652
Trimmings, Clothiers' and tailors'	Harris, Richmond & Shafer	2,758	July 20, 1875	8	96
Trimmings, Clothiers' and tailors'	Harris, Richmond & Shafer	2,759	July 20, 1875	8	96
Trimmings, Clothiers' and tailors'	Harris, Richmond & Shafer	2,816	Aug. 10, 1875	8	241
Twines, yarns, shoe-threads, &c.	Cable Plax Mills	2,462	May 11, 1875	7	783
<b>U.</b>					
Umbrellas and parasols	Esssett & Shaw	2,853	Aug. 21, 1875	8	364
Umbrellas and parasols	Heiter & Gans	2,911	Sept. 7, 1875	8	403

## Alphabetical list of trade-marks—Continued.

Invention or discovery.	Name of patentee.	No.	Date.	Official Gazette.	
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V.					
Varnish .....	A. E. Hopcock & Co.....	2,169	Jan. 12, 1875	7	48
Varnish .....	Seeler & Stevens .....	3,203	Dec. 7, 1875	8	946
Varnish, Gummy or resinous extract of old .....	Butler & Norwood .....	3,104	Nov. 2, 1875	8	729
Varnishes, Japan, and liquid driers, &c.....	A. W. Pratt & Co .....	3,231	Dec. 14, 1875	8	988
Vehicle shaft, spoke, &c .....	J. A. Leippe .....	2,248	Feb. 23, 1875	7	303
W.					
Wagon-axles .....	D. A. Brown & Co .....	2,459	May 11, 1875	7	783
Wagons .....	S. N. Brown & Co .....	2,460	May 11, 1875	7	783
Wagons .....	W. H. Garrett .....	3,229	Dec. 14, 1875	8	988
Wagons, carriages, &c .....	B. E. Moore .....	3,138	Nov. 16, 1875	8	819
Wagons, Plantation .....	W. M. Prico .....	2,496	May 11, 1875	7	784
Washing-crystal .....	F. D. Leidy .....	2,862	Aug. 3, 1875	8	195
Washing-fluid .....	Bodkin & McKinney .....	3,058	Oct. 19, 1875	8	646
Washing-powder .....	O. Corbett .....	2,319	Mar. 30, 1875	7	516
Washing-powder .....	Corbett, Scoville & Co .....	2,262	Mar. 2, 1875	7	345
Washing-powder .....	L. A. Williams .....	3,241	Dec. 14, 1875	8	988
Watch-movements .....	E. & M. Kahn .....	2,388	Apr. 20, 1875	7	561
Watches .....	J. H. McMillan & Co .....	3,016	Oct. 5, 1875	8	561
Watches .....	H. Mulligan .....	2,535	May 18, 1875	7	838
Watches .....	H. Mulligan .....	2,820	Aug. 10, 1875	8	241
Watches .....	J. E. Robert & Co .....	2,597	May 25, 1875	7	880
Watches .....	Schwob Brothers & Co .....	2,979	Sept. 21, 1875	8	476
Watches .....	L. Strasburger & Co .....	2,628	June 1, 1875	7	927
Watches .....	L. Strasburger & Co .....	2,629	June 1, 1875	7	927
Watches .....	L. Strasburger & Co .....	2,630	June 1, 1875	7	927
Watches .....	L. Strasburger & Co .....	2,631	June 1, 1875	7	927
Watches .....	L. Strasburger & Co .....	2,980	Sept. 21, 1875	8	476
Watches .....	J. W. Tucker .....	2,266	Mar. 2, 1875	7	345
Watches .....	J. W. Tucker .....	2,507	May 11, 1875	7	784
Watches .....	J. W. Tucker .....	2,508	May 11, 1875	7	784
Watches .....	J. W. Tucker .....	2,632	June 1, 1875	7	927
Water, Compound oxygen .....	G. R. Starkey .....	2,428	May 4, 1875	7	743
Water-proof material .....	A. A. Hawley .....	2,529	May 18, 1875	7	837
Whisky .....	Adams & Co .....	3,209	Dec. 7, 1875	8	946
Whisky .....	Adams & Taylor .....	2,412	May 4, 1875	7	742
Whisky .....	Adams & Taylor .....	2,414	May 4, 1875	7	742
Whisky .....	Adams, Blake & Taylor .....	2,416	May 4, 1875	7	742
Whisky .....	Barkhouse Brothers & Co .....	2,513	May 18, 1875	7	837
Whisky .....	J. E. Cassidy .....	2,520	May 18, 1875	7	837
Whisky .....	J. E. Cassidy .....	2,951	Sept. 21, 1875	8	475
Whisky .....	J. E. Cassidy .....	3,061	Oct. 19, 1875	8	646
Whisky .....	F. Chevalier & Co .....	2,463	May 11, 1875	7	783
Whisky .....	Frieberg & Workum .....	2,910	Sept. 7, 1875	8	403
Whisky .....	A. H. Gillett .....	2,366	Apr. 13, 1875	7	610
Whisky .....	A. H. Gillett .....	2,752	July 20, 1875	8	95
Whisky .....	D. V. B. Henario .....	2,756	July 20, 1875	8	95
Whisky .....	Hoffheimer Brothers .....	2,479	May 11, 1875	7	784
Whisky .....	Hoffheimer Brothers .....	2,709	July 6, 1875	8	4
Whisky .....	I. Jackson & Brother .....	2,200	Feb. 2, 1875	7	181
Whisky .....	Jenkins, Capers & Co .....	2,223	Feb. 9, 1875	7	233
Whisky .....	B. Lieber .....	3,114	Nov. 2, 1875	8	730
Whisky .....	Lilienthal & Co .....	2,484	May 11, 1875	7	784
Whisky .....	E. Martin & Co .....	2,766	July 20, 1875	8	96
Whisky .....	B. M. May .....	3,231	Dec. 14, 1875	8	988
Whisky .....	Mills, Johnson & Co .....	2,991	Sept. 28, 1875	8	521
Whisky .....	T. E. Moore .....	2,371	Apr. 13, 1875	7	610
Whisky .....	T. E. Moore .....	2,372	Apr. 14, 1875	7	610
Whisky .....	Reis & Becherer .....	3,669	Oct. 19, 1875	8	646
Whisky .....	Shields, May & Co .....	3,205	Dec. 7, 1875	8	946
Whisky .....	Shields, May & Co .....	3,206	Dec. 7, 1875	8	946
Whisky .....	H. K. Thurber & Co .....	2,450	May 4, 1875	7	743
Whisky .....	H. K. Thurber & Co .....	3,874	Oct. 19, 1875	8	646
Whisky .....	Widvard & Sheehan .....	2,726	July 6, 1875	8	5
Whisky .....	Widvard & Sheehan .....	2,727	July 6, 1875	8	5
Whisky, Bourbon .....	Lilienthal & Co .....	2,824	Aug. 10, 1875	8	241
Whisky, Bourbon .....	Lilienthal & Co .....	2,825	Aug. 10, 1875	8	241
Whisky, Bourbon .....	Torliua, Endres & Co .....	2,278	Mar. 3, 1875	7	387
Whisky, Rye .....	T. E. Moore .....	3,373	Apr. 13, 1875	7	610
Wine .....	J. Barnett & Son .....	3,149	Nov. 23, 1875	8	662
Wine .....	L. Fox & Kohn .....	2,736	July 13, 1875	8	49
Wine .....	Wellington, Kidder & Co .....	2,511	May 11, 1875	7	784
Wine .....	M. Werk & Sons .....	3,279	Dec. 21, 1875	8	1035
Wines and spirits .....	Frank, Boehm & Co .....	3,013	Oct. 5, 1875	8	561
Wines, Bottled .....	I. H. Smith's Sons .....	2,913	Sept. 7, 1875	8	403
Wire goods .....	J. H. & N. A. Williams .....	2,211	Feb. 2, 1875	7	181
Wire goods .....	Woods, Sherwood & Co .....	2,732	July 6, 1875	8	5
Wood-carvings .....	Sorrento Wood-Carving Company .....	2,427	May 4, 1875	7	743
Wood-working .....	McBeth, Bentel & Margedant .....	2,715	July 6, 1875	8	4
Wood-working tools .....	Barley Tool Company .....	2,903	Sept. 7, 1875	8	403
Wool, Germantown .....	J. H. Smith .....	2,190	Jan. 26, 1875	7	131
Woolen cloths .....	Middlesex Company .....	2,435	May 4, 1875	7	743
Woolen fabrics, Woven .....	Gibson & Tyler .....	2,867	Aug. 31, 1875	8	365
Woolen, worsted, and cotton goods .....	Washington Mills .....	2,311	Mar. 23, 1875	7	466
Y.					
Yeast .....	S. Ager .....	2,914	Sept. 21, 1875	8	475
Yeast .....	National Yeast Company .....	2,502	May 11, 1875	7	784
Yeast-cake .....	American Yeast Company .....	2,150	Jan. 5, 1875	7	6
Yeast-powder .....	H. K. Thurber & Co .....	2,724	July 6, 1875	8	5

ALPHABETICAL LIST OF LABELS.

Title.	Name.	No.	Date.	Official Gazette.	
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A.					
Adjustable Shirt-Front with Fitting Neck-band for Shirts. The.....	M. Popper .....	276	July 13, 1875	8	49
"Alexander's Compound Elixir of Stillingia with Iodide Potash, etc".....	Alexander & Brother.....	172	July 20, 1875	8	100
"Alexander's Compound Extract of Buchu".....	Alexander & Brother.....	175	July 20, 1875	8	100
"Alexander's Neutralizing Cordial for Diarrhea, etc".....	Alexander & Brother.....	174	July 20, 1875	8	100
"Alexander's Pectoral Syrup for Coughs, Colds, etc".....	Alexander & Brother.....	173	July 20, 1875	8	100
"Alexander's Texas Tonic Pills for Chills and Fevers".....	Alexander & Brother.....	171	July 20, 1875	8	100
"Alkaline Resolvent".....	J. Scott.....	195	July 20, 1875	8	100
"Amusement, Novelty, and Variety. The Seasons and Cassino".....	W. McConnell.....	435	Dec. 14, 1875	8	929
"Anderson's Toothache Specific".....	C. Anderson.....	260	June 29, 1875	7	1098
"Animal Meal".....	W. H. Bowker.....	442	Dec. 21, 1875	8	1035
Anti-Corrosive Cylinder-Oil.....	E. A. Kellogg.....	228	July 27, 1875	8	149
"Anti-Flothing Oil".....	E. H. Kellogg.....	368	Nov. 2, 1875	8	730
Asbestos and Talc-Oil.....	J. Stausbury.....	286	July 20, 1875	8	96
"Atwood Cologne. The".....	H. W. Atwood.....	319	Sept. 14, 1875	8	439
B.					
"Bailey's Patent Iron Block-Plane".....	The Stanley Rule and Level Company.....	317	Aug. 31, 1875	8	366
"Balsor's Fever and Ague Cure".....	G. Balsor.....	320	Sept. 21, 1875	8	476
"Barber's Indian Vegetable Jaundice Bitters".....	O. Johnson & Co.....	334	Oct. 5, 1875	8	561
"Barber Match Company, Akron, Ohio".....	Barber Match Company.....	251	May 25, 1875	7	850
"Bayles Burner. The".....	A. G. Bayles.....	246	May 25, 1875	7	850
"Bell & Co.'s Glycerine Soap. R. W.".....	R. W. Bell & Co.....	297	Aug. 10, 1875	8	241
"Bell & Co.'s Transparent Sweet Briar Soap. R. W.".....	R. W. Bell & Co.....	296	Aug. 10, 1875	8	241
"Bender's Candy. Mts.".....	J. White.....	306	Aug. 17, 1875	8	284
"Beware of Counterfeit Notes".....	Hetsch Brothers.....	433	Dec. 14, 1875	8	929
"Blackman's Genuine Healing Balsam. Dr. J.".....	M. L. Filkins Brother.....	360	Oct. 26, 1875	8	629
"Blut und Saftre Reinigungs. Thee".....	L. Herzinger.....	213	May 11, 1875	7	784
"Bonham's Recipes".....	J. S. Bonham.....	302	Aug. 17, 1875	8	281
"Boschee's German Syrup of Tar, Wild Cherry, &c. Dr. A.".....	L. M. Green.....	333	Oct. 5, 1875	8	561
"Brazilian Headache Powders".....	C. Van Aruam.....	295	Aug. 3, 1875	8	195
"Brilliant Signal Oil".....	E. H. Kellogg.....	428	Dec. 28, 1875	8	1077
"Brown's American Dressing for Boots and Shoes".....	J. H. Brown & Co.....	217	July 20, 1875	8	101
"Brown's Vapor, Electro Vapor, and Medicated Bath. Dr.".....	G. W. Brown.....	241	May 18, 1875	7	839
"Buhl's Instant Relief for External and Internal use. Dr.".....	G. Buhl.....	340	Oct. 11, 1875	8	601
"Buhl's Rheumatic Wonder for External use. Dr".....	G. Buhl.....	339	Oct. 11, 1875	8	601
"Bull's Celebrated Pectoral Compound Cough Syrup. Dr.".....	A. C. Meyer & Co.....	328	Sept. 21, 1875	8	476
"Bull's Cough Syrup".....	A. C. Meyer & Co.....	292	Aug. 3, 1875	8	195
"Business Envelopes".....	J. W. Turner.....	365	Aug. 17, 1875	8	281
C.					
"Calendulene—a glycerine jelly for the toilet".....	F. A. Brown.....	406	Nov. 30, 1875	8	909
"Cancer and Tetter Cure".....	W. A. Griffith.....	299	Aug. 10, 1875	8	241
"Capitol, Richmond, Va.".....	M. J. Rosendorf.....	388	Nov. 16, 1875	8	820
"Carbolic Cream".....	P. J. Noyes.....	209	July 20, 1875	8	101
"Carbolic Pocket Disinfectant".....	Parker & Co.....	425	Dec. 7, 1875	8	947
"Carbonized Lamp Wick. The".....	C. A. Shaw.....	163	July 20, 1875	8	100
"Carrell's Aromatic Wine Bitters".....	S. F. Carrell.....	364	Nov. 2, 1875	8	750
Carter's Aromatic Scotch Bitters.....	L. F. Carter.....	268	July 13, 1875	8	49
"Castilian Acidula".....	J. R. Woodward.....	194	July 20, 1875	8	100
"Catarrh Specific".....	J. Scott.....	192	July 20, 1875	8	100
"Caution".....	B. F. Badger.....	253	June 1, 1875	7	927
"Centenary Tooth-Powder".....	Dr. E. C. Wadworth.....	373	Nov. 2, 1875	8	730
"Centennial Brace".....	Nashawannuck Manufacturing Company.....	424	Dec. 7, 1875	8	947
"Centennial Coffee. One pound".....	J. A. Caldwell.....	347	Oct. 19, 1875	8	647
"Certain Cure for Gonorrhoea and Gleet. A".....	B. Falkenberg.....	444	Dec. 21, 1875	8	1035
"Champion Violet Copying and Record Fluid".....	Levison & Blythe.....	407	Nov. 30, 1875	8	909
"Chart adapted for and used with Edson's Pressure Recording Gages".....	M. B. Edson.....	291	Aug. 3, 1875	8	195
"Chilblain Specific".....	Drake & Brown.....	225	July 20, 1875	8	101
Chinese Catarrh Remedy.....	A. W. Wildes.....	279	July 13, 1875	8	49
"Cleansing Fluid for Destroying Bed Bugs, etc.".....	J. W. Harris.....	222	July 20, 1875	8	101
"Coil's Percussion-Primers, 1-2 Doz.".....	H. C. Morgan.....	210	July 20, 1875	8	101
"Colby's Asthma Remedy".....	L. H. Bush.....	400	Nov. 30, 1875	8	909
"Comfort's Composing Cordial. Dr.".....	C. L. Comfort.....	418	Dec. 7, 1875	8	946
"Comfort's Conserve of Hollyhock for Colds," &c.....	C. L. Comfort.....	417	Dec. 7, 1875	8	946
"Compound Chemical Healing Blood and Bone Ointment".....	J. Scott.....	196	July 20, 1875	8	100
"Compound Fluid Extract of Cancer-Plant".....	J. Scott.....	197	July 20, 1875	8	100
"Conlin's Shooting Gallery, 930 Broadway".....	J. S. Collin.....	379	Nov. 16, 1875	8	820
"Continental Brace, Manufactured by the Nashawannuck Manufacturing Co.".....	Nashawannuck Manufacturing Company.....	460	Dec. 28, 1875	8	1077
Cooke's Favorite Tomato. The Celebrated.....	J. Yerkes.....	280	July 13, 1875	8	49
"Corded End Suspender. Each pair will be stamped".....	National Suspender Company.....	409	Nov. 30, 1875	8	909
"Corning's German Cologne".....	W. O. Corning.....	314	Aug. 31, 1875	8	365
"Craig's Tasteless Tonic Pills. R.".....	R. Craig.....	348	Oct. 19, 1875	8	647
"Creedmoor Rifle".....	P. A. Oliver.....	308	Aug. 24, 1875	8	323
"Crockett's Genuine Spar Composition. David B.".....	D. B. Crockett.....	350	Oct. 19, 1875	8	647
D.					
"Davidson's Instant Tooth Ache Cure".....	H. M. Davidson.....	456	Dec. 28, 1875	8	1077
"Davis Electric Cholera Remedy".....	N. P. Davis.....	351	Oct. 19, 1875	8	647

## Alphabetical list of labels—Continued.

Title.	Name.	No.	Date.	Official Gazette.	
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"Dawson's Cough Syrup. Dr."	R. Dawson	220	July 20, 1875	8	101
"De Bense's Spanish Fever-Drops"	D. Bense	399	Nov. 30, 1875	8	999
"Delaware Oil"	P. Gerard	315	Aug. 31, 1875	8	365
"Dennis's Vegetable Horse Syrup, for the cure of Coughs, Colds, etc."	W. S. Dennis	212	July 20, 1875	8	101
"Deutsches Kindermehl—German Infant Meal"	C. Mayne	423	Dec. 7, 1875	8	947
"Dice Croquet"	F. A. Wright	441	Dec. 14, 1875	8	9:9
"Domestic Glue"	H. H. Kellogg	350	Oct. 19, 1875	8	647
"Donovan's Rheumatic Liniment"	M. H., and W. F. Donovan	254	June 1, 1875	7	9:7
"Double-Sized Sample Sheet of the Byron Weston Premium Linen Record Paper."	B. Weston	461	Dec. 28, 1875	8	1077
"Dow's East End Cologne"	B. W. Dow & Co	307	Aug. 24, 1875	8	323
"Dress-Reform Corset Waist and Skirt Supporter, The"	G. Frost and G. H. Phelps	261	June 29, 1875	7	1092
"Drink mich aus und leg mich nieder; steh ich auf dann fühl ich wieder."	A. Laemmrich	357	Oct. 19, 1875	8	647
"Duane Mills"	W. V. Clark and E. Huntington	234	May 11, 1875	7	784
"Dublin Laundry Blue"	S. Legg	274	July 13, 1875	8	49
"Dueber Watch Case Mfg Co. The"	The Dueber Watch-Case Manufacturing Company.	312	Aug. 24, 1875	8	323
"Dunn's Elixir of Wild Cherry and Tar"	F. Dunn	443	Dec. 21, 1875	8	1035
E.					
"Echo"	F. R. Starr	449	Dec. 21, 1875	8	1035
"Echte Hollandsche Drie Honinger Thee"	L. Heizinger	219	May 25, 1875	7	860
"Egg Baking-Powder"	C. D. Weld	193	July 20, 1875	8	100
"Elixir Peruvian Bark with Protoxide of Iron"	Billings, Clapp & Co	401	Nov. 30, 1875	8	909
"Elixir Peruvian Bark with Protoxide of Iron"	Billings, Clapp & Co	402	Nov. 30, 1875	8	909
"Elixir Peruvian Bark with Protoxide of Iron"	Billings, Clapp & Co	403	Nov. 30, 1875	8	909
"Elixir Peruvian Bark with Protoxide of Iron"	Billings, Clapp & Co	404	Nov. 30, 1875	8	909
"Elixir Peruvian Bark with Protoxide of Iron"	Billings, Clapp & Co	405	Nov. 30, 1875	8	909
"Elliott's Pain Reliever, etc. H. H."	H. H. Elliott	236	May 11, 1875	7	785
"Empire City Glazier's Points"	G. Lester	250	May 25, 1875	7	880
"Engine and Spindle Oil. X X"	E. H. Kellogg	459	Dec. 28, 1875	8	1077
"Erasing, for Erasing Ink from Paper and removing Stains from Cotton, &c."	A. T. Knowlson	396	Nov. 23, 1875	8	863
"Ethereal Phosphorus"	J. Scott	199	July 20, 1875	8	100
"Evans' Herb Syrup. Dr."	E. Miller and E. E. Edwards	253	June 15, 1875	7	1014
"Excelsior Dry Hop Yeast"	F. P. Yenawine	454	Dec. 21, 1875	8	1035
"Extension-Lip Spur Anger Bitts"	R. Jennings	457	Dec. 28, 1875	8	1077
F.					
"Fahnestock, Haslett & Schwartz"	J. E. Schwartz	338	Oct. 5, 1875	8	561
"Farrel's Celebrated Arabian Liniment. H. G."	H. G. Farrel	4:9	Dec. 14, 1875	8	9:9
"Fillette's Sherry-Wine Tonic"	T. Fillette	243	May 25, 1875	7	8:0
"Finch's Transformer for Curling the Hair. Mrs. R. P."	Mrs. R. P. Finch	327	Sept. 21, 1875	8	436
"Fisk, Clark & Flag. City Made"	Fisk, Clark & Flag	209	July 13, 1875	8	49
"Florentine. A New Iron Water"	J. R. Coleman	321	Sept. 14, 1875	8	439
"Florentine Flake Candy. The celebrated"	C. F. King, P. B. Howland, and S. Parker.	369	Nov. 2, 1875	8	750
"For Single, New Family, Brees and Horne, No. B A <sup>100</sup> / <sub>150</sub> "	D. C. Cook	176	July 20, 1875	8	100
"For Single Box, \$1.00. This Irish Salve is warranted to cure," &c.	John L. Fitzgerald	380	Nov. 16, 1875	8	820
"Forest Tar for Consumption, etc."	Forest Tar Company	167	July 20, 1875	8	100
"Forest Tar in Solution for Inhalation, and as a wash for all diseases of the Skin."	Forest Tar Company	163	July 20, 1875	8	100
"Forest Tar Salvo"	Forest Tar Company	168	July 20, 1875	8	100
"Forest Tar Soap for cleansing and healing the Skin"	Forest Tar Company	231	July 20, 1875	8	101
"Forest Tar Troches for Bronchitis, etc."	Forest Tar Company	166	July 20, 1875	8	100
"French Vinous Essence. The"	Chome & Co	152	July 20, 1875	8	99
"Frost's Indian Vegetable cough and humor cure. Dr. C. C."	C. C. Frost & Co.	270	July 13, 1875	8	49
G.					
"Garden Tomatoes. Benjamin & Yerks, Albany, N. Y."	Benjamin & Yerks	375	Nov. 9, 1875	8	777
"Gause & Co, Neptune Brand Spices. John H"	J. H. Gause	367	Nov. 2, 1875	8	750
"German Nerve Balm"	B. K. Hough	446	Dec. 21, 1875	8	1035
"Gillet's Kitchen Castile Soap"	Gillet, McCullock & Co	170	July 20, 1875	8	100
"Gillet's Laundry Castile Soap"	Gillet, McCullock & Co	264	June 29, 1875	7	1098
"Gillis' Byro-Magic Liniment. Dr. S. M"	M. K. Gillis	352	Oct. 19, 1875	8	647
"Gill's Bilious and Liver Pills"	E. Gill	272	July 13, 1875	8	49
"Girard's Liniment for horses and cattle. Dr. F"	F. Girard	228	July 20, 1875	8	101
"Glycerine and Camphor Cream"	R. L. Drake	365	Nov. 2, 1875	8	730
"Gold Size Coach colors"	C. T. Reynolds	298	July 20, 1875	8	101
"Golden Bird Gravel. The"	E. Aldom	455	Dec. 23, 1875	8	1077
"Golden Medal"	J. Jacobson	434	Dec. 14, 1875	8	989
"Golden's Magnetic Ointment. Dr."	O. H. Golden	353	Oct. 19, 1875	8	647
"Goldsmith's Celebrated Swiss Tonic. Dr."	G. F. Whitney	318	Aug. 31, 1875	8	366
"Goodrich's Tuck Folder"	H. C. Goodrich	181	July 20, 1875	8	100
"Grantville Carbolic Acid. The"	F. B. Nichols	2:5	July 20, 1875	8	96
"Great Fever Remedy. Ten-Day-Ague-Cure"	A. M. Cobb	256	June 15, 1875	7	1014
"Great Pawnee Indian Remedy. The"	F. M. Peters	158	July 20, 1875	8	100
"Griffith's Catarrh Remedy"	W. A. Griffith	300	Aug. 10, 1875	8	241
"Griffith's Rheumatic Relief"	W. A. Griffith	298	Aug. 10, 1875	8	241
"Gruman's Genuine English Mustard"	J. B. Gruman & Co.	395	Nov. 23, 1875	8	863
"Gunn's Aromatic Elixir Bitters. Dr."	A. Van Alstine	452	Dec. 21, 1875	8	1035
H.					
"Haggis Chewing-Gum"	Great American Confectionery Company.	205	July 20, 1875	8	101
"Hamburger Seife"	Lantz Brothers & Co.	323	Sept. 14, 1875	8	439
"Hamm's Pure German Mustard"	H. H. Hamm	432	Dec. 14, 1875	8	989
"Hand Loom Silk"	E. M. Benjamin	292	May 11, 1875	7	785

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"Harris' Anodyne Liniment. Internal and External for Man and Beast."	C. P. Harris	186	July 20, 1875	8	109
"Harris' (Sherwood's) Cough Specific and Lung Balsam"	J. J. Harris	322	Sept. 14, 1875	8	439
"Henricus' Compound Santal Oil Troches. Dr."	H. Soli	450	Dec. 21, 1875	8	1035
"Higgins' Celebrated Condition Powders. Prof."	Ripley & Cameron	344	Oct. 11, 1875	8	661
"Higgins' Healing Ointment. Prof."	Ripley & Cameron	343	Oct. 11, 1875	8	661
"Hollen's Healing Oil. Dr."	F. Hollen	303	Aug. 17, 1875	8	2-1
"Hollen's Headache Remedy"	H. W. Hollen	361	Oct. 26, 1875	8	6-9
"Holt's Champion Copying and Writing Fluid"	De Laug, Osterlind & Co.	376	Nov. 9, 1875	8	777
Holyoke Sarsaparilla Cream	C. D. S. Früh	271	July 13, 1875	8	49
"Home Made Shirt"	J. Harrington & Co.	262	June 29, 1875	7	1098
"Hopeful Tobacco, Manufactured by the Merchants' Tobacco Co., Boston, Mass."	Merchants' Tobacco Company	410	Nov. 30, 1875	8	969
"Hunt's Great Dyspepsia Cure. George W."	G. W. Hunt	185	July 20, 1875	8	160
"Hurd's Magical Mixture for Washing Clothes"	Marsh, Hurd & Co.	335	Oct. 5, 1875	8	561
"Hydrated Oxymel Phosphorus and Fusel Oil"	J. Scott	206	July 20, 1875	8	101
I.					
"Igniting-Tape for the Stockwell Self-Lighting Gas Burner"	W. G. Morgan	153	July 20, 1875	8	99
"Improved French Blacking"	F. Miller, Son & Co.	180	July 20, 1875	8	100
"Irish Fairy Gloss Starch. The"	Kelly, Riley & Co.	329	Sept. 21, 1875	8	476
J.					
"Japanese Wafers"	J. M. Carter	320	Sept. 14, 1875	8	439
"Jelly Glue"	H. H. Kellogg	355	Oct. 19, 1875	8	647
"Judd's Medicated Liquid Cuticle"	C. A. Pelton	214	July 20, 1875	8	101
K.					
"Kellogg's Arnica, Wormwood and White Hazel Medicated Stick- ing Salve and Strengthening Plaster."	H. H. Kellogg	169	July 20, 1875	8	100
"Kendall's Pleasant Regulating-Lozenges"	W. H. Kendall	162	July 20, 1875	8	100
"Kimm's 50c Premium Aromatic Bitters"	Sieketeo & Kimm.	244	May 18, 1875	7	839
"Kinder Suppen Extract"	Syvarth & Schlessener	301	Aug. 17, 1875	8	281
"King's German Invigorating Cordial, purely Vegetable"	D. G. King	187	July 20, 1875	8	100
"Kriess Kringle"	J. J. Weltso.	449	Dec. 14, 1875	8	98-9
"Kuhne's Stimulating Linctus. Dr."	H. Kuhne	422	Dec. 7, 1875	8	947
"Kunkel's Bitter Wine of Iron"	E. F. Kunkel	224	July 20, 1875	8	96
L.					
"Lapalme's Fire Weed"	D. F. Ward & Co.	453	Dec. 21, 1875	8	1035
"La Rosa Española. S. y Ca"	Seidenberg & Co.	294	Aug. 3, 1875	8	195
"Lautenbach's Cod-Liver Oil, with Churebill's Hypophosphites and Phosphate of Lime."	R. Lautenbach	397	Nov. 23, 1875	8	863
"Lavelle's Celebrated Fit-Powders"	Montgomery & Co.	156	July 20, 1875	8	160
"Leader Shirt. The"	W. Harrison	273	July 13, 1875	8	49
"Leader Shirt. The"	W. R. Rowe	223	July 20, 1875	8	101
"Levigated Toilet Soap"	L. L. Miller	221	July 20, 1875	8	101
"Lexington Doeskin Jeans"	Appleton, Lancaster & Co.	413	Dec. 7, 1875	8	946
"Liebig's San Antonio Meat Extract"	San Antonio Meat-Extract Fac- tory.	155	July 20, 1875	8	100
"Lightning Fluid"	Cram & Melcher	349	Oct. 19, 1875	8	647
"Liquid of Borates Compound"	C. G. Am Ende	259	June 29, 1875	7	1098
"List of Goods Shipped"	E. D. and O. B. Reynolds	372	Nov. 2, 1875	8	730
"Lithia, The New Chemical Diuretic"	J. Scott	200	July 20, 1875	8	100
"Livingston's Cough Soother"	E. L. Slocum and E. B. White.	£19	July 29, 1875	8	401
"Livingston's Indelible Carmine Ink"	F. L. Joy	287	July 27, 1875	8	149
"Lockard's Horse Ointment. II."	S. E. Woodhull & Son	374	Nov. 2, 1875	8	7-0
M.					
"Magee, Manufacturer of Awnings, Banners, Tents, and Flags. Geo. A."	G. A. Magee	336	Oct. 5, 1875	8	561
"Manhattan Patent Compound Lye. Directions for using the"	I. N. Stern	243	May 18, 1875	7	839
"Mansfield Iron Paints"	J. H. Putnam	337	Oct. 5, 1875	8	561
"Manufacturer of The Phosphatic Lead Paint"	W. V. Noe	371	Nov. 2, 1875	8	730
"Martin's Ague Pills. Dr."	I. W. Martin	447	Dec. 21, 1875	8	1035
"Maryland Yeast-Powder"	Worthington & Tinges	346	Oct. 11, 1875	8	661
"Mathis' Quarter-Dollar Liniment"	C. B. Mathis	462	Dec. 23, 1875	8	1077
"Mead Extract"	G. C. Bower	218	July 29, 1875	8	401
"Meissner, Proprietor of the Palace Royal Cigars. Wm."	W. Meissner	383	Nov. 16, 1875	8	820
"Men's and Youth's Pants and Vest Patterns"	J. D. Hall	421	Dec. 7, 1875	8	947
"Metcalf & Co.'s, 39 Tremont St., Boston, Sachet Powder. T."	T. Metcalf & Co.	342	Oct. 11, 1875	8	661
"Minute Fragrant Pain Curer. S"	J. Scott	204	July 20, 1875	8	101
"Mist Limonis Comp."	Relief Manufacturing Company	386	Nov. 16, 1875	8	820
"Mitchell's Centennial Cologne"	G. E. Mitchell	381	Nov. 16, 1875	8	820
"Moore's Pills"	C. C. Moore	266	June 29, 1875	7	1098
"Morgan's Polish Reviver"	A. Morgan	275	July 13, 1875	8	49
"Moriarty's Vegetable Canadian Balm"	E. J. Moriarty	448	Dec. 21, 1875	8	1035
"Mosher's Historical National Photographic Art Gallery"	C. D. Mosher	382	Nov. 16, 1875	8	820
"Music Manuscript Ink"	W. H. Woglem	230	July 20, 1875	8	101
N.					
"National Rubber Co., Providence, Rhode Island"	National Rubber Company	239	May 11, 1875	7	785
"Nerve Food, The True Nervine"	J. Scott	202	July 20, 1875	8	101
"Nouralge—Rheumatic Elixir"	J. Scott	201	July 20, 1875	8	101
"New York Patent Steam Slicing Co.'s 'Eureka' Smoked Beef"	J. W. Beardsley & Sons	415	Dec. 7, 1875	8	946
"Nichols' Cure for Nervous or Sick Headache. Mrs."	Mrs. H. C. Nichols	232	July 20, 1875	8	101

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Title.	Name.	No.	Date.	Official Gazette.	
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O.					
"Old Crowe Distillery Whisky, W. A. Gaines, Distiller, Woodford Co., Ky."	Paris, Allen & Co .....	384	Nov. 16, 1875	8	820
"Old Hermitage Bourbon Whiskey"	W. A. Gaines & Co.....	430	Dec. 14, 1875	8	989
"Old Hermitage Rye Whiskey"	W. A. Gaines & Co.....	431	Dec. 14, 1875	8	989
"Olive Catarrh Remedy"	J. Green .....	316	Aug. 31, 1875	8	365
"Orcutt's Salt-Rheum Cure"	D. Orcutt & Son.....	309	Aug. 24, 1875	8	323
"Orisena, an Elegant and Fragrant Preparation for Cleansing and Preserving the Teeth."	T. J. Cox, jr .....	419	Dec. 7, 1875	8	946
"Owens, chemist, Carbolic Acid Family Salve. R. J."	R. J. Owens .....	436	Dec. 14, 1875	8	989
"Ozonized Ox Marrow for the Hair"	Buck & Rayner .....	157	July 20, 1875	8	100
P.					
"Pastilles Aromatic for Sick Room and Parlor"	A. Hohl .....	183	July 20, 1875	8	100
"Patent Single Thread Chain Stitch Attachment"	S. H. Miller & Co.....	265	June 29, 1875	7	1098
"Patt's Veterinary Ointment. Dr. O. T."	O. T. Patt .....	267	June 29, 1875	7	1098
"Payn's Sure Raising Flour. John G."	J. G. Payn .....	154	July 20, 1875	8	110
"Peaches. Carmine, Landan & Co."	J. A. Simpson .....	311	Aug. 24, 1875	8	323
"Peccare's Salve Cure for scratches, fresh cuts, &c."	Singer & Wheeler .....	227	July 20, 1875	8	101
"Penna. White Lead Works"	J. E. Schwartz .....	345	Oct. 11, 1875	8	601
Pennsylvania Collar Co., Phila.	Restein Brothers .....	289	July 27, 1875	8	149
"Peppinated Food for Infants and Invalids"	A. Garceau .....	330	Sept. 28, 1875	8	521
"Pequot Cigar. The"	A. Emmerich .....	420	Dec. 7, 1875	8	947
"Peter's Catarrh Remedy"	C. W. Peters .....	310	Aug. 24, 1875	8	323
"Pile Extract"	J. Scott .....	203	July 20, 1875	8	101
"Pivot Brace. The"	National Suspender Company .....	159	July 20, 1875	8	100
Pure Medicated Brandy	T. Dockum & Son .....	281	July 20, 1875	8	96
"Pure Palm Soap, Made in Liberia, Africa"	E. S. Morris & Co .....	377	Nov. 9, 1875	8	777
R.					
"Recipe and Directions for making Crystal Maple Sirup"	J. Leonard .....	324	Sept. 14, 1875	8	439
"Reichardt's Salicylic Horse Cure"	F. A. Reichardt .....	357	Nov. 16, 1875	8	820
"Relief"	J. B. Ragland .....	213	July 20, 1875	8	101
"Ribbon Crisp Candy. The celebrated"	C. B. Hill .....	226	July 20, 1875	8	101
"Ribbons and Dress goods as they appear when Photographed"	D. T. Burrell .....	363	Nov. 2, 1875	8	730
"Richardson & Robbins Extra Yellow Peaches"	Richardson & Robbins .....	385	Nov. 16, 1875	8	820
"Richardson, Son & Owen. To the wearer. J. N."	J. Bullocke .....	240	May 18, 1875	7	839
Riebling, Buffalo. Adam H.	A. H. Riebling .....	290	July 27, 1875	8	149
"Right and Left Acorn Butts"	Rick Brothers .....	426	Dec. 7, 1875	8	947
"Rival—Rival Tobacco, Manufactured by the Merchants' Tobacco Co., Boston, Mass."	Merchant's Tobacco Company .....	412	Nov. 30, 1875	8	910
"Rose Glycerino Jelly"	W. M. Bickley .....	189	July 20, 1875	8	100
"Rough on Rats"	E. S. Wells .....	178	July 20, 1875	8	100
"Royal Dietaria or Medicinal Nutritive"	W. G. Cooke .....	416	Dec. 7, 1875	8	946
"Rupert & White's Botanical Liniment"	A. H. White .....	245	May 18, 1875	7	839
"Russian Water-Proof Leather Preservative"	C. S. Piper .....	437	Dec. 14, 1875	8	929
"Rutley's Great Cough and Lung Sirup. Dr."	J. H. Rutley .....	161	July 20, 1875	8	100
S.					
"Sachet-Powders. T. Metcalf & Co., Boston"	T. Metcalf & Co.....	370	Nov. 2, 1875	8	730
"Sawyer's Crystal Blue"	H. Sawyer .....	389	Nov. 16, 1875	8	820
"Sawyer's Crystal Blue"	H. Sawyer .....	390	Nov. 16, 1875	8	820
"Scott's American Cologne"	W. W. Scott .....	293	Aug. 3, 1875	8	195
"Scott's Compound Sugar-coated May-Apple Pills. Dr."	J. Scott .....	278	July 13, 1875	8	49
"Silver-Shine, for Silver, Plated-Ware, &c."	J. A. Babcock .....	427	Dec. 14, 1875	8	929
"Singer & Wheeler. Brilliant White-Oil"	Singer & Wheeler .....	398	Nov. 23, 1875	8	863
"Sisters. Sisters' Tobacco, manufactured by the Merchants' Tobacco Company, Boston, Mass."	Merchants' Tobacco Company .....	411	Nov. 30, 1875	8	910
"S. K. 110. C. B."	Kebbe, Chaffee & Co .....	188	July 20, 1875	8	100
"Sorrents Glue-Pot. The"	S. W. Tilton & Co .....	391	Nov. 16, 1875	8	820
"Specific for the cure of Bronchitis, &c. A"	E. K. Al Burtis .....	177	July 20, 1875	8	100
"Sperry's Cough and Croup Sirup"	Dr. H. J. Wiers .....	235	May 11, 1875	7	785
"Sperry's Female Monthly Pills. Dr. I. J."	Dr. H. J. Wiers .....	237	May 11, 1875	7	785
"Stainless Wool and Spindle Oil"	E. H. Kellogg .....	362	Oct. 26, 1875	8	689
"Stall's Consummatum Polish"	W. B. Stall .....	2113	July 20, 1875	8	101
"Stall's Consummatum Polish. Directions for Using"	W. B. Stall .....	2122	July 20, 1875	8	101
"Stall's Unrivaled Filling for all Kinds of Hard Wood"	W. B. Stall .....	182	July 20, 1875	8	100
"Standard Desk-Pad. The"	H. T. Johnson & Co .....	257	June 15, 1875	7	1014
"Steel's Celebrated Apple Ginger. T. R."	T. R. Steel .....	463	Dec. 28, 1875	8	1077
"Stevens's Celebrated, 1876. German Stove-Polish. 1776"	B. L. Stevens .....	164	July 20, 1875	8	100
"Stewart's Teething-Plasters for Children. Dr."	H. P. Stewart .....	358	Oct. 19, 1875	8	647
"Stir Well Before Pouring"	I. L. Baker .....	211	July 20, 1875	8	101
"Stringer's Pulmonic Sirup"	Mrs. J. Stringer .....	255	June 1, 1875	7	927
"Stripped and Guaranteed"	F. & A. McAlcer .....	192	July 20, 1875	8	100
"Sunlight Stove-Blackening"	G. Aschmann .....	414	Dec. 7, 1875	8	946
"Superior Carriage-Bolts of Best Refined Iron. 50"	Peck, Stow and Wilcox Company .....	332	Sept. 24, 1875	8	521
"Superior Coloring for Butter"	A. May .....	242	May 18, 1875	7	839
"Superlative Wool and Spindle Oil"	E. H. Kellogg .....	341	Oct. 11, 1875	8	601
"Sympathetic Writing-Fluid"	L. Foss .....	445	Dec. 21, 1875	8	1035
T.					
"Taylor's Compound Sirup of Blood-Root and Tar"	W. S. Taylor .....	252	May 25, 1875	7	850
"Teinture Française, or French Dye and Finish"	A. K. Brown & Co .....	359	Oct. 26, 1875	8	689
"Teethina. The only Tooth-Powder approved by the Tremont Dentistry of Boston."	J. L. Oliver .....	331	Sept. 28, 1875	8	521
"Teetzel's Compound Extract of Buchu, Cubebs, and Copaiva"	W. H. Teetzel .....	325	Sept. 14, 1875	8	440
"Teltow's Blue Illusion. Henry"	H. Teltow .....	451	Dec. 21, 1875	8	1045
"That Liniment. Good for Man or Beast"	Garden & Minor .....	394	Nov. 23, 1875	8	863
"This case has been regularly stripped and sampled. We guarantee the Sample."	F. & A. McAlcer .....	191	July 20, 1875	8	100

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"This case has been Sampled. Stripped. Sample warranted".....	F. C. Linde & Co.....	160	July 20, 1875	8	100
"Thomas's Specific Preparation, Nos. 1, 2, and 3. For the Hair".....	J. W. Thomas.....	439	Dec. 14, 1875	8	989
"Tibbetts's Pile-Ointment".....	L. Tibbetts.....	438	Dec. 14, 1875	8	989
"Toilet Levigated Soap".....	W. Craushaw.....	216	July 20, 1875	8	101
"Tremaine's Improved Hair-Oil. Dr.".....	G. W. Gates.....	179	July 20, 1875	8	100
"Triumphant Gas or Domestic Compound for Illuminating Pur- poses. The.".....	S. B. Farrar & Co.....	366	Nov. 2, 1875	8	730
"Tucker's Chafing-Powder for Old and Young".....	F. Tucker.....	215	July 20, 1875	8	101
"Two Orphans. Cigar. Manufactured by M. J. O'Brien, Bingham- ton, N. Y.".....	M. J. O'Brien.....	461	Dec. 28, 1875	8	1077
"Tylér's Compound Honey of Bonaset".....	Boswell & Huntington.....	190	July 20, 1875	8	100
U.					
"Upham's Malarial or Fever and Ague Sachet".....	S. C. Upham.....	392	Nov. 16, 1875	8	820
V.					
"Van Sicklen's Carbolated Family Salve. Mrs.".....	W. H. Lawrence.....	184	July 20, 1875	8	100
"Vats and appliances for using Jerome Marble & Co.'s Patent Indigo Blue Dye, Worcester, Mass.".....	J. Marble & Co.....	408	Nov. 30, 1875	8	909
"Victory. The".....	Harned & Co.....	282	July 20, 1875	8	96
"Vitalized Phosphate".....	F. Crosby.....	229	July 20, 1875	8	101
W.-					
Waite's Patent White Felt Wicking.....	J. M. Stewart.....	277	July 13, 1875	8	49
"Wallace's National Approved Heave-Remedy. E. W.".....	E. W. Wallace.....	393	Nov. 16, 1875	8	820
"Warner's Purgative Soda-Water".....	W. R. Warner & Co.....	301	Aug. 10, 1875	8	241
"Warranted 12 Yards".....	Leisler & Sommerhoff.....	263	June 29, 1875	7	1098
"Warrantee".....	Heath, Mead & Co.....	224	July 20, 1875	8	101
Wassley's Alpenkranter Thee. L.....	L. Herzinger.....	283	July 20, 1875	8	96
"Weaver's Florida Water".....	J. B. Weaver.....	378	Nov. 9, 1875	8	777
"Wengert's Ague-Remedy. Dr.".....	J. J. Ricker & Co.....	207	July 20, 1875	8	101
"Westminster Sauce".....	C. A. Greaves and M. D. Chapin.....	354	Oct. 19, 1875	8	647
"Whisky Antidote".....	G. H. Crawford.....	247	May 25, 1875	7	880
"White Rubber Cement".....	W. C. Byers.....	428	Dec. 14, 1875	8	989
"Wilcox & Co. Prime Leaf-Lard. W. J.".....	W. J. Wilcox & Co.....	313	Aug. 24, 1875	8	323

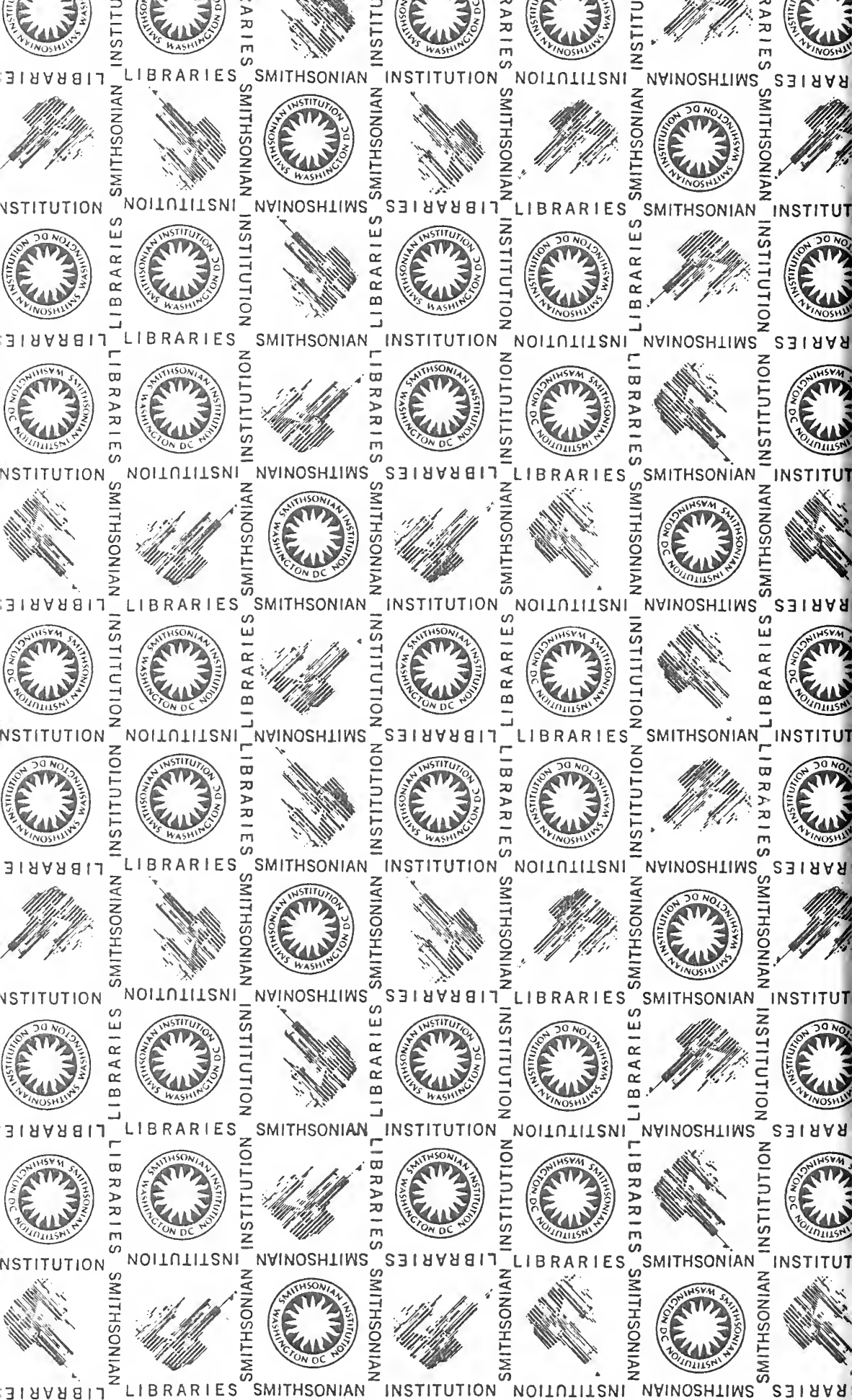


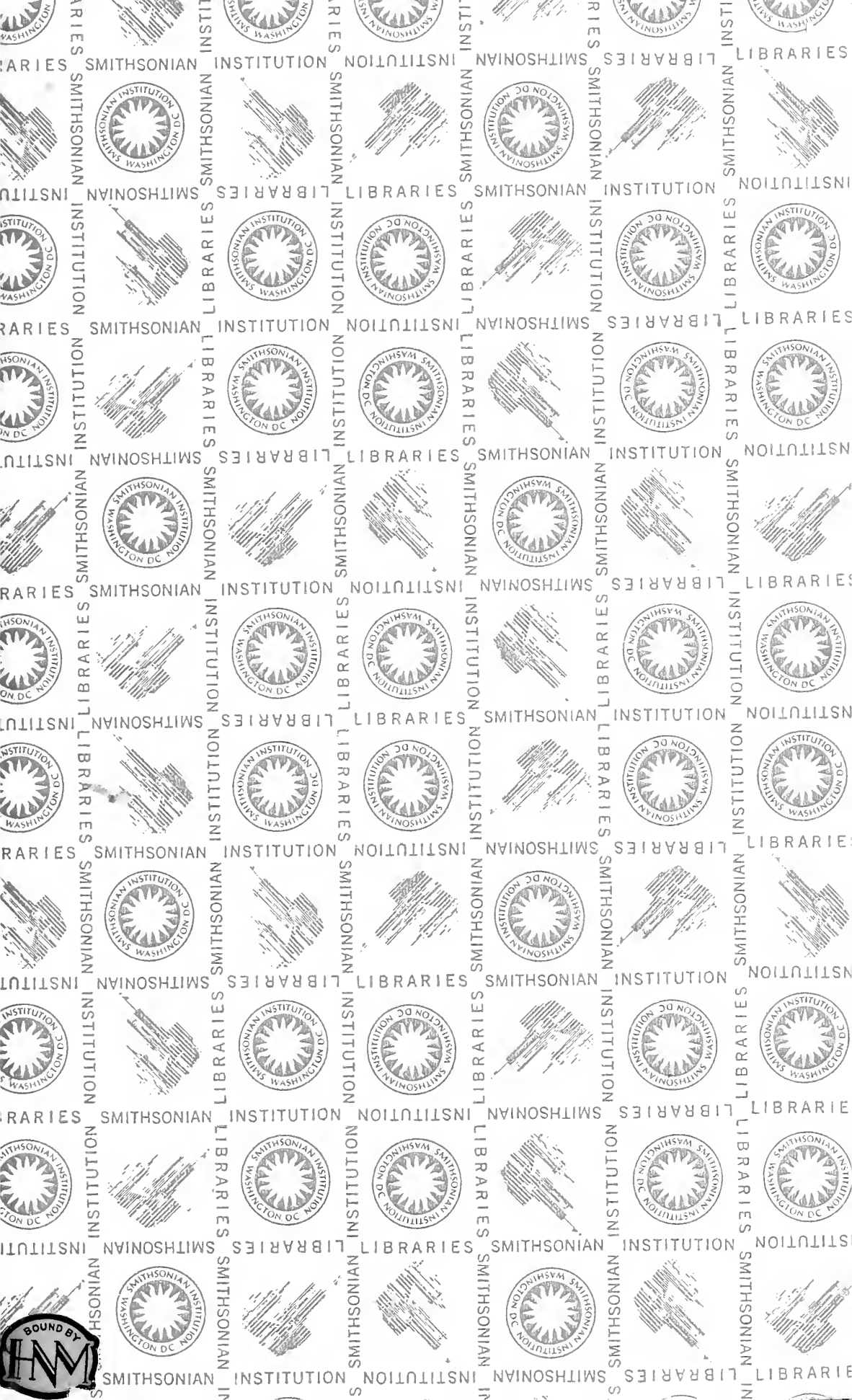












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